Campus learns real world challenges from Firefox's Head of Security

Marc Schmitt
Editor-in-Chief

The Computer Science and Software Engineering department hosted a software security talk by Richard Barnes on Monday, January 30. As the Head of Security for Mozilla's Firefox web browser, Barnes talked about the needs and challenges of protecting users from malware.

The talk three areas in which solutions and techniques can be applied to minimize the risk to users while increasing the quality of the software. Barnes started off by discussing the benefits of open source software, reminding those in attendance of Firefox's freely accessed source code. In moving to a broader scope, Barnes asserted that a guiding principal in building secure software is to first defend the user from the software developer. A malware attack must be prevented, and when it comes across the system, it must be contained and neutralized.

The talk focused on three topics in which solutions and techniques can be applied to the problem of securing the user. Firstly, a piece of software is small enough to be relatively easy to analyze and that the process quickly but does not yet include day programs. To put it in perspective, Microsoft's Windows operating system has over 40 million lines of code. On top of that, the automated tests to analyze code are easily accessible because malicious code can be exploited. Controlling code generation is a recognized weakness in both open source and closed source software.

The chain of steps required when producing a binary presents another liability with open source software. The challenge here is how to ensure the source code used to produce the binary, which threatens to negate the benefits of open source software, is accurately tied to the binary generation process. Many systems have a challenge for all systems.

The real shift in thinking required, according to Barnes, is developing systems that spread risk out over multiple systems. This means compromises must be made in the business sense where control and trust are distributed to multiple actors. A difficult mindset must be adopted, that software vendors should not trust themselves.

In discussing open source software, the primary benefit, according to Barnes, is the ability for everyone to conduct analysis on a piece of software's source code. If you can see what is in a piece of software, then you can spot the malicious code before running it. There are caveats to this approach, especially dealing with the size of the software as well as the process in producing the runnable program from that source code.

Firstly, a piece of software is small enough to be relatively easy to see all of the code that goes into the program, but this process quickly but does not yet include day programs. To put it in perspective, Microsoft's Windows operating system has over 40 million lines of code. On top of that, the automated tests to analyze code are easily accessible because malicious code can be exploited. Controlling code generation is a recognized weakness in both open source and closed source software.

The chain of steps required when producing a binary presents another liability with open source software. The challenge here is how to ensure the source code used to produce the binary, which threatens to negate the benefits of open source software, is accurately tied to the binary generation process. Many systems have a challenge for all systems.

The real shift in thinking required, according to Barnes, is developing systems that spread risk out over multiple systems. This means compromises must be made in the business sense where control and trust are distributed to multiple actors. A difficult mindset must be adopted, that software vendors should not trust themselves.

In discussing open source software, the primary benefit, according to Barnes, is the ability for everyone to conduct analysis on a piece of software's source code. If you can see what is in a piece of software, then you can spot the malicious code before running it. There are caveats to this approach, especially dealing with the size of the software as well as the process in producing the runnable program from that source code.

Firstly, a piece of software is small enough to be relatively easy to see all of the code that goes into the program, but this process quickly but does not yet include day programs. To put it in perspective, Microsoft's Windows operating system has over 40 million lines of code. On top of that, the automated tests to analyze code are easily accessible because malicious code can be exploited. Controlling code generation is a recognized weakness in both open source and closed source software.

The chain of steps required when producing a binary presents another liability with open source software. The challenge here is how to ensure the source code used to produce the binary, which threatens to negate the benefits of open source software, is accurately tied to the binary generation process. Many systems have a challenge for all systems.

The real shift in thinking required, according to Barnes, is developing systems that spread risk out over multiple systems. This means compromises must be made in the business sense where control and trust are distributed to multiple actors. A difficult mindset must be adopted, that software vendors should not trust themselves.

In discussing open source software, the primary benefit, according to Barnes, is the ability for everyone to conduct analysis on a piece of software's source code. If you can see what is in a piece of software, then you can spot the malicious code before running it. There are caveats to this approach, especially dealing with the size of the software as well as the process in producing the runnable program from that source code.

Firstly, a piece of software is small enough to be relatively easy to see all of the code that goes into the program, but this process quickly but does not yet include day programs. To put it in perspective, Microsoft's Windows operating system has over 40 million lines of code. On top of that, the automated tests to analyze code are easily accessible because malicious code can be exploited. Controlling code generation is a recognized weakness in both open source and closed source software.

The chain of steps required when producing a binary presents another liability with open source software. The challenge here is how to ensure the source code used to produce the binary, which threatens to negate the benefits of open source software, is accurately tied to the binary generation process. Many systems have a challenge for all systems.

The real shift in thinking required, according to Barnes, is developing systems that spread risk out over multiple systems. This means compromises must be made in the business sense where control and trust are distributed to multiple actors. A difficult mindset must be adopted, that software vendors should not trust themselves.

In discussing open source software, the primary benefit, according to Barnes, is the ability for everyone to conduct analysis on a piece of software's source code. If you can see what is in a piece of software, then you can spot the malicious code before running it. There are caveats to this approach, especially dealing with the size of the software as well as the process in producing the runnable program from that source code.
Looking for an off-campus house?
- 4 bedrooms, 2 bathrooms, 1,550 square feet
- 4.1 acre lot with plenty of privacy
- Includes living room, dining room, and kitchen
- $1190 per month for all utilities except electricity
- Lawn mowing included
- Shared access to swimming pool
- Available for remainder of school year and/or next year

Call Brett Gibson at 812-237-9119 or email brett.j.gibson@bgibson.com
Located at 9842 E Deer Run Drive, Terre Haute, IN 47803

Want to access your favorite old issues of The Rose Thorn? Find them at scholar.rose-hulman.edu/rosethorn/

NOW RENTING FOR 2017-2018

IDEAL HOUSING DOWNTOWN CLOSE TO 6TH STREET
WITH A VARIETY OF PRICES TO FIT YOUR BUDGET

We Offer...
- Renovated grand, historic homes
- Charming, well-managed residences
- Residences include all or some util-

Sharp Flats LLC
RENTAL PROPERTIES

VENTURES OF The Rose Thorn are published on the second through ninth Mondays of each academic quarter.
WEEKLY MEETINGS occur at 5:15 p.m. on the first through ninth Tuesdays of each academic quarter. All members of the Rose-Hulman community are welcome to attend.
SUBMISSION of articles, photographs, art, and letters to the editor is encouraged. Submission may be made by email to thorn@rose-hulman.edu or in person to Percopo room 031. The submission deadline is 5:00 p.m. Friday.
The RIGHTS to accept submissions or changes made after the deadline, to edit submissions in so far as the original intent of the submission remains unaltered, and to reject submissions deemed inappropriate for print are reserved by the editors.
LETTERS TO THE EDITOR should be no longer than 600 words in length and must contain the writer's (electronic) signature.
The VIEWS EXPRESSED herein are those of their respective authors and with the exception of the Staff View do not necessarily represent the views of the staff or the Rose-Hulman community.

Marc Schmitt • Editor-in-Chief
Karlee Koojet • Business Manager
Nolan Hughes • Business Manager
Lauren Wiseman • News Editor
Curtis Hamm • Entertainment Editor
Sean Ladipo • Lifestyle Editor
Thaddeus Hughes • Opinions Editor
John Chilton • Sports Editor
Blake Powell • Sports Editor
Lauren Sautchian • Flipside Editor
Emma Ossood • Copy Editor
Dr. Thomas Adams • Faculty Advisor
Derek Hufford • Staff Writer
Mason Diebold • Staff Writer
Joseph Lee • Staff Writer
Evelyne Maquelin • Staff Writer

The Rose Thorn
ROSE-HULMAN INSTITUTE OF TECHNOLOGY, 5500 Wabash Ave, CM 5037, Terre Haute, IN 47803-3920 • Thorn@Rose-Hulman.edu

Contact Us!
(812)-877-1146
615 Farrington St.
www.sharpflats.com

THE ROSE THORN
IDEAL HOUSING DOWNTOWN CLOSE TO 6TH STREET
WITH A VARIETY OF PRICES TO FIT YOUR BUDGET

We Offer...
- Renovated grand, historic homes
- Charming, well-managed residences
- Residences include all or some util-

Sharp Flats LLC
RENTAL PROPERTIES

VENTURES OF The Rose Thorn are published on the second through ninth Mondays of each academic quarter.
WEEKLY MEETINGS occur at 5:15 p.m. on the first through ninth Tuesdays of each academic quarter. All members of the Rose-Hulman community are welcome to attend.
SUBMISSION of articles, photographs, art, and letters to the editor is encouraged. Submission may be made by email to thorn@rose-hulman.edu or in person to Percopo room 031. The submission deadline is 5:00 p.m. Friday.
The RIGHTS to accept submissions or changes made after the deadline, to edit submissions in so far as the original intent of the submission remains unaltered, and to reject submissions deemed inappropriate for print are reserved by the editors.
LETTERS TO THE EDITOR should be no longer than 600 words in length and must contain the writer’s (electronic) signature.
The VIEWS EXPRESSED herein are those of their respective authors and with the exception of the Staff View do not necessarily represent the views of the staff or the Rose-Hulman community.

Marc Schmitt • Editor-in-Chief
Karlee Koojet • Business Manager
Nolan Hughes • Business Manager
Lauren Wiseman • News Editor
Curtis Hamm • Entertainment Editor
Sean Ladipo • Lifestyle Editor
Thaddeus Hughes • Opinions Editor
John Chilton • Sports Editor
Blake Powell • Sports Editor
Lauren Sautchian • Flipside Editor
Emma Ossood • Copy Editor
Dr. Thomas Adams • Faculty Advisor
Derek Hufford • Staff Writer
Mason Diebold • Staff Writer
Joseph Lee • Staff Writer
Evelyne Maquelin • Staff Writer

The Rose Thorn
ROSE-HULMAN INSTITUTE OF TECHNOLOGY, 5500 Wabash Ave, CM 5037, Terre Haute, IN 47803-3920 • Thorn@Rose-Hulman.edu

Contact Us!
(812)-877-1146
615 Farrington St.
www.sharpflats.com

THE ROSE THORN
IDEAL HOUSING DOWNTOWN CLOSE TO 6TH STREET
WITH A VARIETY OF PRICES TO FIT YOUR BUDGET

We Offer...
- Renovated grand, historic homes
- Charming, well-managed residences
- Residences include all or some util-

Sharp Flats LLC
RENTAL PROPERTIES

VENTURES OF The Rose Thorn are published on the second through ninth Mondays of each academic quarter.
WEEKLY MEETINGS occur at 5:15 p.m. on the first through ninth Tuesdays of each academic quarter. All members of the Rose-Hulman community are welcome to attend.
SUBMISSION of articles, photographs, art, and letters to the editor is encouraged. Submission may be made by email to thorn@rose-hulman.edu or in person to Percopo room 031. The submission deadline is 5:00 p.m. Friday.
The RIGHTS to accept submissions or changes made after the deadline, to edit submissions in so far as the original intent of the submission remains unaltered, and to reject submissions deemed inappropriate for print are reserved by the editors.
LETTERS TO THE EDITOR should be no longer than 600 words in length and must contain the writer’s (electronic) signature.
The VIEWS EXPRESSED herein are those of their respective authors and with the exception of the Staff View do not necessarily represent the views of the staff or the Rose-Hulman community.
New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

New Zika Vaccine Candidate

After months of trying to create a virus to combat the virus, researchers have recently scanned the brains of the mice after two weeks and five months since the vaccination. The mice that received the vaccine showed a resilient and durable protection. The mice that received the vaccine were still protected against the virus.

The virus can cause severe birth defects in newborns. With the recent outbreaks in Latin America and certain parts of the United States, scientists have been working on a vaccine to combat the virus. The vaccine has been made and tested in animals previously, this one is the first to show a resilient and durable protection. The mice that received the vaccine were still protected against the virus.
Entertainment 4

Z: The Beginning of Everything
The Spirit of the Roaring Twenties

Lauren Wiseman
News Editor

F. Scott and Zelda Fitzgerald embodied the spirit and life of the Roaring Twenties. His novels helped define a generation and her presence in New York City during the Jazz Age. The Montgomery episodes, though, was David Straithrnan playing Zelda's father. After spending a lot of time as the stern judge, the stereotypical hard edge, he displayed moments of genuine heart that portrayed him as more human and conveyed a much deeper character than viewers were led to believe.

When the show moves to New York, though, things really took off. The parties, the conflict, and the jealousy begins to accumulate. Suddenly, Zelda realizes New York is not Alabama, Scott cannot finish a second novel, and the insecurities come to the surface. When the jazz music has a chance to carry over the metaphors, the show moves quicker. In spite of the quicker pacing, there are moments that feel more like a sitcom, even with the show (supposedly) having factual basis: Zelda feels slighted when Scott sends Zelda out for clothes befitting a New Yorker, Scott is jealous of Zelda having a successful screen test for a film, Scott's speaking engagement at Princeton does not go according to plan, the list goes on.

While the writing can be lacking in places, and some transitions have music that does not fit the mood, Hoffin and Ricci are stunning together, and that makes up for a lot. Hoffin portrays F. Scott with a heart breaking, crippling insecurity, eliciting sympathy and, at times, fury from viewers. He is a dead ringer for the writer. Ricci is right at home as Zelda, with just a certain something that makes her absolutely perfect for the role. Maybe it is in her smile or the confidence with which she delivers her lines and conducts herself—she does a tremendous job. No, she does not really look like Zelda. Allison Pill's portrayal in Midnight in Paris was more like Zelda than Ricci. That is neither here nor there, really, because the heart and soul is there.

Of the ten first episodes, the best episode is episode seven. The last ten minutes are so well acted, and it shows the first irreparable cracks in their lives. Should Amazon make and release a season two, it should be better than the first season, as viewers know the character and their problems, the writing can hit the ground running and get right to the point. For five hours of commitment, it was worth a watch. I know for myself, I want to see the animosity between Zelda and Ernest Hemingway on screen.

Ricci. That is neither here nor there, really, a little confused or that didn't quite fit with the characters presented, but overall the story and the insecurities come to the surface. The writing can be lacking in places, and some transitions have music that does not fit the mood, Hoffin and Ricci are stunning together, and that makes up for a lot. Hoffin portrays F. Scott with a heart breaking, crippling insecurity, eliciting sympathy and, at times, fury from viewers. He is a dead ringer for the writer. Ricci is right at home as Zelda, with just a certain something that makes her absolutely perfect for the role. Maybe it is in her smile or the confidence with which she delivers her lines and conducts herself—she does a tremendous job. No, she does not really look like Zelda. Allison Pill's portrayal in Midnight in Paris was more like Zelda than Ricci. That is neither here nor there, really, because the heart and soul is there.

Lights! Camera! Sing!
A Review of Sing

Lauren Santichen
Flipside Editor

Released in the last two works of 2016, Sing is an animated movie created by Illumination Entertainment, a smaller company than Disney-Pixar and DreamWorks, but less impressive. Having given rise to the Despicable Me movies and Horton Hears a Who, Illumination has brought us another light and impressive animated movie with some pretty serious themes.

I wouldn't be right to talk about the plot of Sing, because there are many plots all tied together. Buster Moon the koala wants to save his theater that's on the verge of bankruptcy. Rosita the pig wants a break from her monotony life as a stay-at-home mom. Johnny the gorilla struggles between following his dreams and following the footsteps of his criminal father. Meena the elephant just wants to sing.

This play on many characters is unusual for a children's film as children nowadays have smaller attention spans. Whether this works or not, I'm not sure, but I am certain of one thing: having more characters equals having more connections. Maybe I don't connect with Ash—a rock-star peregrine whose boyfriend cheats on her, I can't understand how she could just let go. I can understand how Ricci feels, just wanting to keep hold of a childhood dream. I think I play on characters and individual stories works well with the overall goal of saving the theater and ties in nicely with the end of the singing competition. As with most kids movies, the finale wraps up with all the participants getting their wish or due punishment and having a moment alone in the spotlight as far as animation goes, scenes fit together flawlessly. The most intensive scene goes on.

The most intensive scene was one seen in the trailer. The theater built a stage on glass aquaria filled with neon-lit squids which moved and lit up to various musical beats. Immediately after a confrontation with a mafia-like trio, the stage cranks and unleashes hundreds of gallons of water in a flurry of motion and chaos. Having taken Computer Graphics here at Rose, I can appreciate the time and effort it took to get the screen to look like this, but looking as possible for an animated kids film.

Overall, this turns out to be a heartfelt story about dreams and trying, even if it means you might fail. It's a good lesson for any child who is looking to pursue their dreams, looking as possible for an animated kids film.

Photo courtesy of comingsoon.net

Photo courtesy of screenrant.com

Christina Ricci's portrayal of Zelda Fitzgerald truly captures the soul of the character.

Christina Ricci's portrayal of Zelda Fitzgerald truly captures the soul of the character. Truly an ensemble number.

“Overall, this turns out to be a heartfelt story about dreams and trying, even if it means you might fail.”

"Overall, this turns out to be a heartfelt story about dreams and trying, even if it means you might fail."
**The Evolution of Avenged Sound**

Andrew Henderson

**Guest Writer**

Avenged Sevenfold is a metal and hardcore rock band that, late last October released its latest album “The Stage” to critical acclaim and immense popularity, hitting number a on US top 10. However, “The Stage” was a large change in sound for the band, with a move to an extremely well made, but showcased a more mainstream in sound for the debut album, showcasing far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screaming vocals as the band was more into the harder and more real metalcore sound from their debut album.

“The album while still having the metalcore sound from their debut album, showcased far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screaming vocals as the band was more into the harder and more real metalcore sound from their debut album. The album was much heavier and faster than their earlier works with a greater concentration on guitar riffs and less melody singing. Closer to the classic metal band the metalcore band is a large change in sound for the band and the album was heavily based in the religious themes Avenged Sevenfold has been known for. Seun Ladipo lead singer M. Shadows worked for months with vocal coach Ron An-derson to build his new sound. He wanted this new album to have “grit and power” rather than just a clean and polished sound and “City of Evil” contains some of Avenged Sevenfold’s most popular and greatest hits, including singles like “Duplicitous,” which was more heavy metal rather than the earlier metalcore style, which blends metal and hardcore punk.

The band would take the lessons learned from their first album and create far greater success with their second album “Walking the Fallen.” The album while still having the metalcore sound from their debut album, showcased far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screaming vocals as the band was more into the harder and more real metalcore sound from their debut album. The album was much heavier and faster than their earlier works with a greater concentration on guitar riffs and less melody singing. Closer to the classic metal band the metalcore band is a large change in sound for the band and the album was heavily based in the religious themes Avenged Sevenfold has been known for. Seun Ladipo lead singer M. Shadows worked for months with vocal coach Ron An-derson to build his new sound. He wanted this new album to have “grit and power” rather than just a clean and polished sound and “City of Evil” contains some of Avenged Sevenfold’s most popular and greatest hits, including singles like “Duplicitous,” which was more heavy metal rather than the earlier metalcore style, which blends metal and hardcore punk.

The band would take the lessons learned from their first album and create far greater success with their second album “Walking the Fallen.” The album while still having the metalcore sound from their debut album, showcased far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screaming vocals as the band was more into the harder and more real metalcore sound from their debut album. The album was much heavier and faster than their earlier works with a greater concentration on guitar riffs and less melody singing. Closer to the classic metal band the metalcore band is a large change in sound for the band and the album was heavily based in the religious themes Avenged Sevenfold has been known for. Seun Ladipo lead singer M. Shadows worked for months with vocal coach Ron An-derson to build his new sound. He wanted this new album to have “grit and power” rather than just a clean and polished sound and “City of Evil” contains some of Avenged Sevenfold’s most popular and greatest hits, including singles like “Duplicitous,” which was more heavy metal rather than the earlier metalcore style, which blends metal and hardcore punk.

The band would take the lessons learned from their first album and create far greater success with their second album “Walking the Fallen.” The album while still having the metalcore sound from their debut album, showcased far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screaming vocals as the band was more into the harder and more real metalcore sound from their debut album. The album was much heavier and faster than their earlier works with a greater concentration on guitar riffs and less melody singing. Closer to the classic metal band the metalcore band is a large change in sound for the band and the album was heavily based in the religious themes Avenged Sevenfold has been known for. Seun Ladipo lead singer M. Shadows worked for months with vocal coach Ron An-derson to build his new sound. He wanted this new album to have “grit and power” rather than just a clean and polished sound and “City of Evil” contains some of Avenged Sevenfold’s most popular and greatest hits, including singles like “Duplicitous,” which was more heavy metal rather than the earlier metalcore style, which blends metal and hardcore punk.

The band would take the lessons learned from their first album and create far greater success with their second album “Walking the Fallen.” The album while still having the metalcore sound from their debut album, showcased far clearer and easier to understand singing, a major problem listeners had with the first album. “Walking the Fallen” would become Avenged Sevenfold’s first truly successful release, gathering critical acclaim and getting the band a few big name bands like Iron Maiden and Motley Crue. The album would also sell extremely well, selling 3,000 copies in the first week and having sold over 100,000 copies since 2014 (comparable to only 500,000 for the debut to date). This album has been when Avenged Sevenfold started to gather speed and the run would continue to grow with the 2005 release of “City of Evil.”

“City of Evil” was a move to far more traditional metal and hard rock sounds for Avenged Sevenfold, moving away from their metalcore roots and was notably absent of any screamin...
They wouldn’t be out here if politics didn’t overlap with religion.

We cannot sacrifice morality at the altar of economic gain, even if it is ‘for the greater good’. Our laws must not be rooted in what appears to provide the most utility, because it is evident that when profit wins, legal and moral values are ignored. We as a nation stand upon the base of the idea that certain rights and obligations are a matter of public policy and are essential to the functioning of our society.

In the past, the push was not towards freedom of religion, but freedom from religion. While marriage once originated from the churches and was eventually recognized by the state and federal governments, it now originates in the state legislature and is funneled down to the churches. The difference is subtle, but reduces the power local churches have within their communities. Moving away from this would be the same as disestablishing religion, which Congress has turned the government into an entity capable of overstepping church boundaries.

While many fear a government that has strong ties to a church becoming theocratic and stamping out religious viewpoints that it does not agree with, the opposition, a government with no respect for religious viewpoints, can have the same effect of stopping all religious viewpoints and leaving behind only secularism.

The solution, then, is not to seek new, more just powers to put in power, but to stop enforcing our religious views with the gun of government, and to question what spiritual values are sacrificed with every policy decision. We must acknowledge that the two separate church and state, but we must unite our religious and political.
The Men’s basketball team put up a great fight against Mt. St. Joseph by taking the game into overtime against the #1 ranked team in the HCAC. The conference tournament is approaching so this is a good sign to see that our team can play with any team out there but they just need to take their game to the next level in order to make a run in the tournament. The men take on Earlham at home on Wednesday.

Standout Performers
Charlie Aimone-15 points, 6 rebounds, 2 assists
Collin Wojcik-14 points, 2 rebounds, 2 assists
Nick McGrail-12 points, 4 rebounds
It had to pick the other guy or Damey, I’d say they’re the same person.
"Nope, Dr. Grimaldi is just hanging in there. I got this great cough medicine at home, but you're not allowed to bring brandy on campus..."

- Dr. Grimaldi

Darn shame that is.

- Dr. Song

"Your last three presidents, George Bush, Bill Clinton, and Barack Obama, were left-handed, like me. I should be the next president."

- Dr. Song

"There's nothing wrong with a bit of brandy for medicinal purposes..."

- Dr. Grimaldi

Nothing wrong at all!

"Can we just cancel class and have a sit down and talk about life for a while?"

- Dr. Song

42, there talk's done.

"I love being sick, you don't even know who you are anymore."

- Dr. Grimaldi

Or is it?

Did your prof say something hilarious or just great out of context? We want to hear about it! Send your quotes with who said it to thorn-flipside@rose-hulman.edu.