



# the Collage

Kutztown University's College of Liberal Arts & Sciences

Oct. 2018

## interesting Internship

Emily Cantor, outdoor enthusiast and Geography major, spent the last three years as a camp counselor for various districts of the Boy Scouts of America. This past summer, she became the camp director of the Hawk Mountain Scout Reservation.

"I wore a lot of different hats," Cantor commented. She was in charge of 70 different staff members ranging from 14 to 65 years old. She wrote a daily newspaper called *The Hawk Talk*, settled disputes between scouts and staff, and managed everything from ensuring the camp had enough food to resolving crises.



Emily Cantor | Geography

Area Community College to get her associate's in Early Childhood Education, a friend told her to apply to the Hawk Mountain Scout Reservation. "He told me to apply to the Cub Scout side of

Boy Scouts range from 12 to 17 years of age. Cantor preferred Boy Scouts because their activities had more structure and she was able to have in-depth conversations about science with them. "The boy scouts are taught to be on their own, to figure things out... and be more self-sufficient."

Before earning her associate's, Cantor attended Shippensburg and studied Environmental Biology and Ecology, later switching to Geo-Environmental Studies. She was required to take certain science courses that were too molecular for her liking. "You had to go through all these Chemistry and Physics courses and I'm not a hard science kind of person."

After leaving Shippensburg, she earned her associate's and transferred to Kutztown as a Geography major. "I like looking at things on a global scale... I like seeing the big picture and seeing how everything works together and that's a large part of geography—understanding the grand scheme of things."

She reflects on her experiences, "I was really grateful for the summer. It was a really good learning experience being in an administrative position. It definitely helped me become more responsible."

"I like looking at things on a global scale... that's a large part of Geography."

Cantor's interest in the Scouts started with a 5<sup>th</sup> grade field trip to a camp where she fell in love with the outdoor setting. Then, while attending Reading

camp but I applied for the Boy Scouts' side because I forgot which one was which... I ended up teaching Boy Scouts and that was a whole new experience."



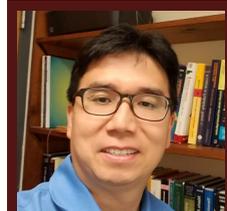
## NEW TENURE-TRACK FACULTY



Dr. Nicole McClure  
English



Dr. Brandon Krieg  
English



Dr. Myung Soon Song  
Mathematics



Prof. Thiep Pham  
Computer Science



Dr. Khori Newlander  
Anthropology / Sociology



Dr. John Ellerbach  
English



**Dr. Phillip Reed | Physics**

Dr. Reed was awarded the 2018 C. R. Chambliss Kutztown University Faculty Research Award. As Reed notes, not only was it a great honor to receive the award, the highest achievement in research at KU, but he has a personal connection with the award's benefactor, Dr. C. R. Chambliss. Reed transferred to KU as an undergrad and was able to do some work with Dr. Chambliss before he retired.

"We're really fortunate to have our own Chambliss Research and Academic

Achievement Awards because the name, at least in the astronomy field, carries quite a bit [of weight]."

Dr. Reed is currently studying interacting binary stars, which are pairs of stars that exchange matter between themselves. He has measured rates of mass exchange between several pairs of stars, a few

a three year grant from the National Science Foundation allowing students to collaborate internationally to find exoplanets. He and two students are funded each year; this grant has taken them to Italy and Australia so far.

Reed enjoys teaching as well, especially here at KU. "I don't think I would be

## "The best option is a place like Kutztown..."

hundred million tons per second on average, and continues to study the variable of the mass flow.

Aside from binary stars, Reed was also contacted by an international group studying exoplanets, or planets outside the solar system. "They realized that we could do good work with our observatory so we became one of the follow-up observatories for confirming the discovery of exoplanets." Additionally, he received

happy at what we call an R1 research school where there's not a whole lot of teaching but the pressure is there to get external grants every year. For me anyway, the best option is a place like Kutztown where there's ample opportunity to teach but there's also a lot of support for research."

KU allows Reed to pursue his research goals while teaching, treating his students like colleagues in the lab. According to Reed, it is satisfying to work with "the higher level of students" here at KU. Who knows what Reed and his students may discover lurking in the skies?

# Faculty highlights

When Dr. Lisa Frye came to Kutztown as a student, she intended on pursuing a degree in math education. Now she is the Computer Science and Information Technology Department Chair and is the recipient of the 2018 Wiesenberger Award for Excellence in Teaching. This award is presented annually to one faculty who's demonstrated outstanding teaching skills and service to Kutztown University.

Dr. Frye graduated with a B.S. in Computer Science and a B.S.Ed. in Secondary Education, returning a few years later to get an M.S. in Computer Science. She proceeded to work in the Information Technology Department at the university. She later started teaching and found her true passion—watching her students succeed.

"I tell my students all the time, my goal is for them to get A's. Doesn't mean I'm going to give them all A's, they have to earn the grade, but I

want them all to get A's because I want them to be successful," says Frye.

Frye yearns to be in the classroom, pushing her students, teaching them the core essentials of computer science so when they get out in the workforce, they're ready for what's thrown at them.

Computer science has changed dramatically since Frye was an undergrad. Now there are so many different areas in computer science due to the changes in technology.

Not only is Frye passionate about teaching and watching her students succeed, but she's utterly fascinated by computer science itself. "How you can take [media] and in just a matter of milliseconds, send it to thousands of people around the world... That's just neat, you know? When I was first in [IT], you just sent text. But now we can transmit audio, video, and images—anything you want."

Most students, when coming to college, want to pursue a career they'll love. Frye did exactly that and she wouldn't want to be anywhere else.

"I'm very happy that I'm teaching here and I hope to be teaching here for the rest of my career."

**Dr. Lisa Frye | Computer Science**

