

You blinked this summer and now it is already fall! Our summer was filled with memories, experiences, friendships, passion, and creativity. You completed an academic program reserved for only the strongest of mind. There is a quote that I often tell students as they are embarking in a new venture, "A comfort zone is a beautiful place, but nothing grows there." Challenge yourself each day to be a little better than the person you viewed in the mirror yesterday.

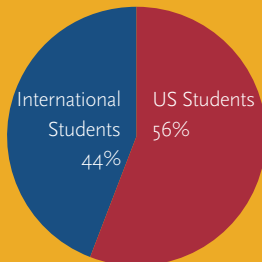
The ESAP Class of 2017 came together to produce cohesive units of like-minded students. Your accomplishments were not due to chance; but to an everlasting love of inquiry and exploration. The STEM field is yearning for more bright minds to continue to transform the industry, and you all certainly up to the task.



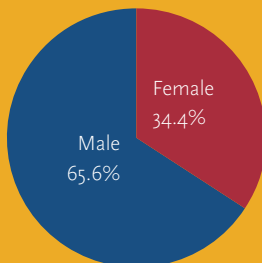
NICHOLAS ALLEN, M.S.ED., M.PHIL.ED.
ESAP Residential Director

As you continue to progress through your scholastic career, I encourage you to remember that tremendous July of 2017 that we were able to experience together. The University of Pennsylvania may have been your home for but a moment; but we ALL at Penn Engineering want nothing more than the best for your future. It was a pleasure and an honor to work with you!

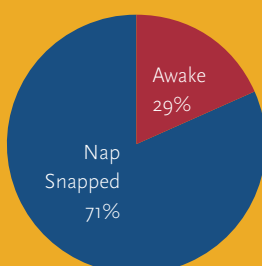
International vs
National



Male vs
Female



Woke or
Nah?



Kadir Sahin
2017 BIOT



"My soccer team has qualified for the Southern Connecticut Conference tournament and State tournament. I'm also taking college classes at Yale and I will soon be raising issues surrounding Connecticut's education system to representatives senators and the CT secretary of education as part of my project. As for college I'm applying to a number of schools. I'm applying Early Decision to the University of Pennsylvania. I've made this choice not just because of the amazing time I had at ESAP but also based on the two previous times I've visited the campus (Penn Relays and a campus tour). The private tour of Wharton that my good friend gave me was especially intriguing – management and engineering are my current career interests. In addition I acquired a new job upon my return from Philadelphia. I work for an entrepreneur who's growing a sports management technology and the position involves all the fields I love."

Alexandra Snyder
2017 BIOT



"Currently I'm the lead programmer for my robotics team (FTC 6567) as well as the drive team coach. I joined my school's film and broadcasting club so now the whole school is able to see my kitchen whenever I shoot and edit a video with my friends. I'm taking my first AP class this year as a sophomore (AP Euro) and it's pretty rough! I've started my own business making and selling friendship bracelets and handmade microchip earrings. I sell both locally and online (check out my shop on instagram @nerdycat3141). I've had customers from twelve out of the fifty states so far!"

Christina Liang
2017 CGRA

"I was in the cast of the fall play the Laramie Project and we recently performed three shows. Another current goal of mine would be to secure a spot in the cast or stage management team for our winter musical Avenue Q. Other than the fall play I participate in Yearbook Club write for our school newspaper serve as a tour guide for my school and am on the Mock Trial competition team. I am also working on a volunteer project: an extracurricular club where high school students tutor children with special education needs. I have currently been working with some of these kids around the district helping them with their schoolwork and social skills. I hope to broaden this volunteer program because I think it would have a beneficial impact on the families in my town."

Sam Lewittes
2017 COMP

"I started a Coding Club at my school this year. As part of the club I worked with a team to create an app called Get Involved. The purpose of the app is to help high school students learn about both school and community based opportunities that align with their interests and provide a road map on how to get involved. Currently we included information specific to our high school but we plan on using the app for other high schools as well. We submitted the app for our district's congressional app challenge."

Alexa Marciano
2017 COMP

"I am enjoying tenth grade and have recently started a computer programming club a chapter of the Girls Who Code program of which I have been appointed president. Though the club has only met once I have organized a tech trek where we will visit firms in New York City. I miss ESAP very much and it remains one of my best memories of the summer."

Tito Adesanya
2017 ROBO



"I have been building a wind turbine whilst in high-school with a sweep area diameter of 1.4 m. I have spent 350+ hrs on this project so I'm excited that it actually works!"

Leila Foulon
2016 BIOT

"This past summer I had a 10-week internship at Memorial Sloan Kettering Cancer Center and worked in the lab on an independent project. It was a really great experience and I was able to use everything I learned at ESAP (especially regarding the lab work)."

Juan Castro Caro
2016 CGRA

"I was accepted to Cabrini University. I applied early decision to the University of Pennsylvania but unfortunately I didn't get accepted. I was very inspired by the experience I had at ESAP which is why the University of Pennsylvania was my first choice. I am pursuing a major in Computer & Information Science at Cabrini University and planning to finish my bachelors degree with the highest grades so that I can pursue my masters at the University of Pennsylvania."



Jared Cole
2016 COMP



"I think the most interesting thing I am working on now is being part of the organizing team for a non-profit Def Hacks that runs hackathons across the world. Being particularly involved in the New York event I am able to plan the event and share my passion computer science with hundreds of programmers. I am able to both teach and learn and it is a truly rewarding experience. In terms of clubs I am president of the business club at my school and heavily involved with Science Olympiad and Science Bowl."

Zhe Chen
2016 CGRA

"I started attending University College London this September and am majoring in Engineering and Architectural Design at the Bartlett School of Architecture."

Alexander Kassouni
2016 ROBO



"This summer I interned at the NASA EPSCOR Hawaii Space Flight Laboratory at the University of Hawaii Manoa where my team of four interns modified the satellite orbit simulator component of the Lab's COSMOS software. My continued endeavors on the debate team have been rewarding as I was recently elected Vice-President of our 100+ student-run debate team. Lincoln Douglas debate often requires me to reflect on the confluence of technology philosophy and ethics a subject area I find highly stimulating. The education received by way of Dr. Mark Yim at ESAP has allowed me to engage in these types of projects and informs debate. Dr. Yim struck me as very "down-to-earth" and this made Robotics tics and engineering feel more accessible. Additionally ESAP provided much needed lab experience that was lacking at my own high school."

Shruti Arumbakkam
2015 NANO



"Since graduating from ESAP I made a miniature working model of LIGO to detect sound waves for my senior science fair and placed in the top 10 finalists of the Science Ambassador Scholarship which had 2000+ applicants. I've attended Rensselaer Polytechnic Institute for the past year as an Aeronautical/Aerospace and Mechanical Engineering major. I later joined the Rensselaer Motorsport team where I designed a wheel spacer for the F1 style car they made for the annual Formula SAE competition. I'm on the intramural Sport Taekwondo team and have participated in tournaments across the East coast. Over the summer I secured an internship at Jet Airways (India's second largest airline) where I worked in the Powerplant Department of Technical Services. There I was able to learn about the different components that went into building an airplane engine how they worked and got to see them in a real setting when fresh engines were brought in after maintenance. I also learned about different structural aspects that went into constructing an aircraft and assisted the team with compiling data."

Chris Williams
2014 ROBO

I'm now a freshmen at Penn in the College of Arts & Sciences. I'll be studying Econ and CIS.

Rupal Desai
2012 BIOT

"Since graduating from the University of Michigan in 2016 I worked at a non profit organization called the Tuberous Sclerosis Alliance and I am now working at Spitfire Strategies a firm located in Washington DC. I am also recently engaged!"

Erin Beacham
2011 BIOT

"I graduated from Penn in 2016 with a degree in Bioengineering. Since graduation I've been working for a health and safety firm called Halma. The company owns around 40 small manufacturing companies worldwide. I'm part of a rotational program where I work at four Halma subsidiaries over a 2 year period before settling at one company in a permanent role. So far I've worked for a cataract surgery manufacturer in Seattle WA a different cataract surgery manufacturer in St. Gallen Switzerland and I'm now placed at a water analysis technology company in Orange County California. I found the program at Penn's Engineering Career Day and it's a great opportunity for a recent engineering graduate."

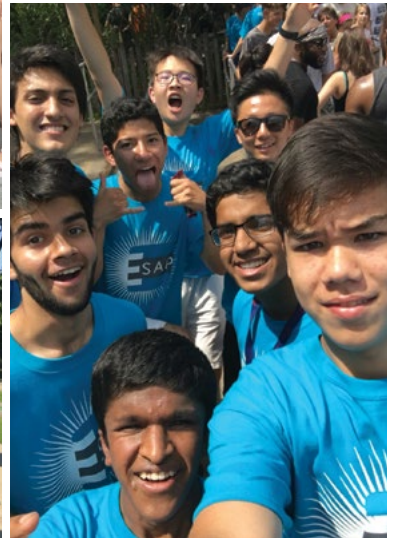
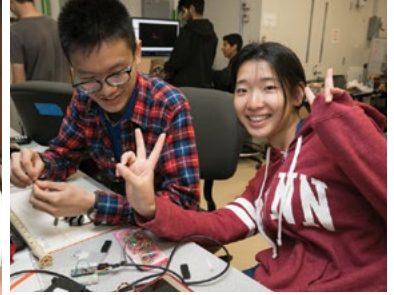
Robert Zhou
2011 CGRA

"I took the Computer Graphics course in 2011 where I was inspired to join Penn's Digital Media Design program to realize a lifelong dream in animation and visual effects. The program had more computer science than I expected! But ultimately that initial push helped me gain the creative and technical skills to join the Moving Picture Company where I now work with top artists to develop the software that makes many of those big name blockbusters possible."



“Engineering is the closest thing to magic that exists in the world.”

– ELON MUSK



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SUMMER ACADEMY at PENN

