

Asad Ullah Noorzaie

Applied Sciences in Engineering, 2020



Asad Ullah Noorzaie (translated to “Lion of God” in Arabic) is originally from Kandahar, Afghanistan. He spent roughly 4 years of his upbringing in Asbury Park, New Jersey and then resided in Ocean Township, New Jersey (neighboring town of Asbury Park) for around 18 years. He attended Ocean Township High School where he graduated top 10 within his class. Asad applied to the Rutgers School of Engineering as his primary target school due to its well-rounded prestige in research, faculty, and its presence in industry. Upon acceptance, he declared his major as an Electrical and Computer Engineer but after a year of studies, he quickly realized his strength within the software field of engineering and switched his major to Applied Science in Engineering.

Asad was able to reap the massive amount of resources Rutgers had to offer from not only the engineering school but Rutgers as a whole. Asad was able to publish and work on state of the art research technologies while undergoing his undergraduate career. From the supervision of great faculty and amazing PhD students, he was able to publish two works with his colleagues; 1. [Predictive Model to Project Success Rates of Immunotherapy Checkpoint Inhibitors to be used as a Consumer Confidence Tool/Metric](#) 2. [Detecting Lead Levels in Sediment using Data Analytics](#). He served as the Co-Chair of Engineering Affairs for the Engineering Governing Council and co-founded the Rutgers Open Source Club with the vision of students contributing and informing others of open-source technologies. As a means of giving back while in college, Asad was a teaching assistant for Data Structures, a crucial course needed for software engineers to excel in their field.

Apart from gaining experience on campus, Asad was able to garner industry experience from reputable industries within his field of interest. He has had the pleasure of working

with Johnson and Johnson as a project manager (Spring 2017) along with working at Google as a software engineer (Summer of 2018 and 2019).

Rutgers has played a crucial role in the experiences Asad gained during his undergraduate career. It has taught him persistence, diligence and determination. He has learned immensely from all the notable faculty along with all the Deans present in the engineering school, namely Dean Cadena and Dean Prendergast. The Alumni Industry Scholarship was awarded to Asad for his excellence in academia as well as industry performance. Dean Cadena has been a pivotal means of motivation ever since Asad's sophomore year of undergrad. As for Dean Prendergast, she was extremely supportive when Asad decided to change his major and was a part of crucial decisions during his undergraduate career.

Asad graduated with Summa Cum Laude, highest honors, with a Bachelor of Science in Applied Science in Engineering and will be working at LinkedIn as a software engineer. Asad loves helping out others and runs his own consultant firm, free of use. It is a means of giving back to the community and ranges from general advice to learning how to break into the technology field.

Joshua Siegel

Electrical and Computer Engineering, 2020



Josh is a dual major in Electrical / Computer Engineering and Computer Science from Voorhees, NJ. During his time at Rutgers, he was involved with multiple organizations, including the Engineering Honors Academy, AIAA, IEEE Robotics, and the Rutgers Club Swim Team, which Josh became president of for the duration of his senior year. Josh was also part of the Aresty research program, where he did computer science research for two years under Dr. Michmizos to develop a machine learning system that could predict a person's movements based on their brain signals. Josh also participated in many hackathons, including hackRU, hackPrinceton, and PennApps. Five of the six projects that Josh submitted to hackathons have won awards. Throughout his college career, Josh completed three internships. His first internship was at Lockheed Martin during the summer after his freshman year where he worked on radar systems and avionic circuit diagrams, and was given an award for his hard work and dedication. His second internship was during the next summer at Lockheed Martin Space Systems in Colorado where he worked on the flight software for NASA's Orion Human Space Capsule. His third internship was during the next summer at Bloomberg in NYC where Josh worked on a software infrastructure team to integrate an open source data storage system called Ozone. What Josh most enjoyed at Rutgers was getting to know such great people and trying so many

new activities that he couldn't do anywhere else. After graduation, Josh will be working in NYC as a software engineer at Bloomberg.

Keval Gandhi

Civil and Environmental Engineering, 2020



Keval Gandhi graduated in 2016 from JFK Memorial HS in Iselin, NJ. He then enrolled at Rutgers School of Engineering pursuing a degree in Civil & Environmental Engineering in the Engineering Honors Academy. In his first year at Rutgers, he lived at Mattia Hall and worked as the PR liaison for RHA. He also worked as a work-study student in Room B110 and joined the American Society of Civil Engineers (ASCE) as an events planner on their E-Board. Keval received the Edwin Louis Gidley Memorial Scholarship in recognition of his involvement in Civil Engineering as a first-year student. He then started an internship at Middlesex Water Company where he learned about private water distribution over the summer.

In his second year at Rutgers, Keval conducted research about climate change in mountains as a part of Aresty. He became the secretary for ASCE and continued working as a work-study student. Keval applied to become a resident assistant for his third year and got the position at Mattia. Keval also applied to become an Alumni Industry Scholar after hearing about the program his first year. Happily, he was accepted into the program and became an AI Scholar in May. At the end of his second year, Keval started an internship at Langan as a Site/Civil Intern and learned different aspects about the design of large-scale developments. At the end of his second summer, Keval learned how to properly lead a floor and keep it safe for first-years during RA training.

Keval's third year started off with being responsible for 64 residents on his floor at Mattia. He also took more responsibility as an AI Scholar being able to help coordinate the events

that the scholars conducted. Keval also continued as the secretary for ASCE and furthered his skills. That year, Keval also became the president elect of ASCE for the next year. At the end of the third year, Keval started an internship with Langan as a Geotechnical Engineering Intern at the NYC office. Before ending the internship in August for RA training, Keval learned more about the proper design, testing, and installation of foundations and safety of excavation.

Keval's final year started off with the RA training. He also started off the year as the president of ASCE and led the creation and execution of events throughout both semesters such as the Civil Engineering Career Expo. The second semester started off with more events for ASCE and AIS. However, his final year was cut short due to the COVID-19 pandemic. Keval led the departure and transition of residents from Mattia to their home due to the pandemic. After graduating in May 2020, Keval now aims to pursue a career in Civil Engineering and plans on getting his PE license and a Master's degree. Throughout Keval's four years at Rutgers, his most memorable moment was a trip to Miami for an ASCE Convention to cap off his four years in ASCE.

N'Dea Wheeler from Piscataway, NJ

Biomedical Engineering, 2020



Rutgers Involvement

- Treasurer of Black Student Union
- Secretary of Rutgers Adapts
- Senator for the Minority Engineering Education Task (MEET)
- Rutgers Biomedical Engineering Honors Academy

Internships/Research

- Lead Researcher for Egg Inclusion in Myoblast Differentiation with Dr. Freeman
- Research Assistant for Electrospinning Analysis with Dr. Freeman

Awards/Honors

- National Society of Collegiate Scholars
- Cullen Family Endowed Scholarship
- National Multiple Sclerosis Society Scholarship
- Dean's List

Most Memorable Moment at Rutgers

- Meeting two people who immediately became my best friends. They have always been loyal, caring, and supportive no matter what has happened in our lives.

Madeline Bowne from Cherry Hill, NJ

Mechanical Engineering, 2020



Rutgers Involvement

- Data Acquisition & Testing Lead, Rutgers Formula Racing

Internships/Research

- Propulsion & Systems Intern for the Antares rocket program, Northrop Grumman Innovation Systems
- Mechanical Engineering Co-op Intern, Northrop Grumman Innovation Systems, Launch Vehicles Division - 2018

Awards/Honors

- Boeing Leadership Award 2018
- Science Ambassador Scholarship Runner-up in 2018
- Science Ambassador Scholarship Top ten finalist in 2017
- Dean's List

Most Memorable Moment at Rutgers

- One particular moment that stands out for me was going to competition in Michigan with the formula team my freshman year. Watching a year's worth of dedication and teamwork come to fruition on the track was truly inspiring.