

Neel Shah

Software Engineering Intern | College Park, MD

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EDUCATION

University of Maryland

B.S. Computer Science | GPA: 4.00/4.00

College Park, MD

Aug 2021 – Present

- Major in Computer Science; potential minor or double major in Mathematics or Economics
- Member of the College Park Scholars Environment, Technology, and Economy program, an invitation-only living-learning program

South Brunswick High School

High School Diploma | GPA: 4.47/4.00

Monmouth Junction, NJ

Sep 2017 – Jun 2021

- Activities: Science Olympiad, LaunchX Entrepreneurship Program, Computer Science Club, Chemistry Olympics
- Honor Societies: National Honor Society; Computer Science, Math, Business, Science, and Latin honor societies
- Awards: National Merit Scholar, 2020 NASA Conrad Innovator, AP Scholar with Distinction, High Honor Roll

EXPERIENCE

Bloomberg

Software Engineering Intern

Dayton, NJ

Jun 2021 – Aug 2021

- Worked on the Fleet Automation Services team, which supports Bloomberg's large-scale technology infrastructure by developing tools used to automate operations (used Jira with agile scrum methodology for project management)
- Improved UX and added features to an existing web application according to requests from operators, using Angular (TypeScript) for the frontend and Django/PostgreSQL (Python) for the backend as well as Docker for development
- Published metrics for maintenance events, actions, and failures to a telemetry system; created a filterable Grafana dashboard displaying timeseries graphs of these metrics in order to improve data visibility

Bloomberg

Software Engineering Intern

Dayton, NJ

Jul 2020 – Aug 2020

- Worked on the Environment Support Site Reliability Engineering team, which automates machine turnaround (maintenance) for a fleet of over 30,000 servers (used Jira with agile scrum methodology for project management)
- Developed an interactive web application to visualize turnaround data at the host, schedule, and cluster level, using Angular/React (TypeScript) for the frontend and Django/PostgreSQL (Python) for the backend

PROJECTS

Techognize

Sep 2019 – Jun 2020

- Business concept for an augmented reality education platform that makes the learning process more interactive
- Developed prototype Android app using Google's Firebase platform and ARCore SDK (Java)
- Recognized as a 2020 NASA Conrad Innovator based on submission to Conrad Challenge pitch competition

Factsvine

Nov 2019

- Site which automatically summarizes news articles and evaluates them for fake news and misinformation
- Developed Flask web app using a natural language processing library and fake news detection API (Python)
- Built entire project in a 24-hour period during Princeton High School's hackathon (hackPHS 2019)

SKILLS

Programming Languages:

Java, Python, JavaScript, TypeScript, C#

Web Development:

HTML, CSS, React, Angular, Flask, Django

Other:

Linux, Git, Docker, Android, Unity, Jira