

Min Jun Kim

(703) 509 1998, mk7pe@virginia.edu

EDUCATION

Aug 2018 — Present **B.S. Computer Engineering, University of Virginia** Charlottesville, VA

- Expected graduation: Spring 2022

SKILLS

C/C++ Python (Django, Flask)
JavaScript/TypeScript (Node, React, Redux) CI/CD

EMPLOYMENT HISTORY

Jun 2020 — Present **Software Development Engineer Intern, Amazon** Seattle, WA

- Working with React and TypeScript
- Owning the design and development of an end-to-end, extensible user preference service for a previously user-blind web application, allowing for customers to tailor their experiences
- Deploying to an AWS API Gateway, Lambda, and DynamoDB architecture with automated CI/CD pipelines

Jun 2019 — Aug 2019 **Instructor, iD Tech Camps** Washington, DC

- Instructed and inspired groups of up to ten students in computer science principles using JavaScript, Python, HTML, CSS, Scratch, and hardware such as BBC's micro:bit, Anki's Cozmos, and pi-tops

Feb 2017 — Jul 2017 **Full-Stack Engineer Intern, The Offline Society** Washington, D.C.

- Improved user engagement (visitors per month & average session time) by more than 40% by eliminating critical bugs plaguing both the front-end (HTML, CSS/SCSS, JavaScript/jQuery) and back-end (Django)
- Built a custom dashboard integrating Facebook Analytics to provide keener insights into users' behavior and preferences
- Maintained the Ubuntu server (installing certificates, upgrading packages, etc.)

RELEVANT EXPERIENCE/PROJECTS

Apr 2020 — May 2020 **Autonomous Robot** Reston

- Using bare-metal C code, developed the firmware for an autonomous, sonar-equipped differential drive robot
- Made use of timers, interrupts, and pulse-width modulation to control the motors and communicate with the sonar module
- Utilized oscilloscopes and multi-meters to debug errors in logic and communication

Apr 2020 **Turnips.Today** Reston

- Designed and engineered a full-stack web application that alerts Animal Crossing players of brand new turnip prices from the /r/ACTurnips subreddit in real-time with browser notifications
- Utilized technologies such as Express.js, WebSockets, the Web Push browser notifications library, and the real-time database RethinkDB
- Deployed to AWS infrastructure consisting of an EC2 instance, application and network load balancers, and Route 53 DNS

Mar 2019 **HooHacks Hackathon** Charlottesville, VA

- Won **Best Education Hack** prize
- Built the front-end (Google Apps Script) and back-end (Flask) of a Google Docs add-on that allows students to instantly transfer pictures from their mobile device right into their document
- Gained over two hundred users with an average rating of five stars on the [Add-ons Store](#)