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Education

Georgia Institute of Technology GPA: 3.8 Atlanta, GA
B.S. Computer Science, 2022 *August 2019 - Present*

- Selected courses: Machine Learning, Artificial Intelligence, Design and Analysis of Algorithms, Computer Vision, Objects and Design, Computer Organization and Programming (Intro to C / Assembly), Database Systems, Honors Linear Algebra with Abstract Vector Spaces, Discrete Mathematics, Combinatorics, Intro to Cognitive Science

Skills

Languages: Java, Python, JavaScript/ES6

Infrastructures and Frameworks: Git, Node.js/V8, React.js, SCSS, WebSocket, MongoDB, Firebase, Keras, Tensorflow

Software: Android Studio, Figma, Jupyter Notebook

Experience

- **Product Manager and Team Lead** Online
  Develop For Good *September 2020 - Present*
  - Managing a team of designers and developers to create a mobile application to aid distributing resources for the Yemen crisis
  - Maintain communication with client to understand the product's specifications
  - Technologies used: Figma, React Native
- **Software Developer Intern** Rockville, MD - remote
  S&C Electric *May 2020 - August 2020*
  - Led the design of backend, implementation, testing, and documentation of an application to monitor and manage 10000+ S&C devices
  - Redesigned and implemented backend microservices and proxy to retrieve data from S&C Electric's devices, resulting in complete elimination of excessive data schema and 4x performance gain
  - Collaborated with design team to redesign a user-friendly interface, and implemented the interface with React and Electron to streamline and optimize code base
  - Technologies used: Java, JavaScript, Redis, Spring Boot, WebSocket, GraphQL, Apollo, React.js, Electron.js
- **Software Developer Intern** Greenbelt, MD
  Fluency Security Corporation *June 2019 - August 2019*
  - Developed a web-based trouble ticketing system, FasterIncidentResponse, for use at client demonstrations
  - Unit tested and documented log management software
  - Technologies used: Golang, MongoDB, Bootstrap, Vue.js, Node-RED, Postman, Markdown

Research

- **Move2Music** Atlanta, GA - remote
  Parikh Lab *August 2020 - Present*
  - Research uses of recurrent neural networks and reinforcement in generating music from video footage of dance
  - Using modern encoding techniques and LSTMs to prototype pairing dance video with appropriate music
- **Migraine Research** Great Falls, VA
  Neuroscience Research Lab *June 2018 - January 2019*
  - Explored two-dimensional materials for inhibition of the critical pathway in migraines
  - Employed high-performance CPU cluster and slurm management to increase computation speed
  - Research proposal accepted by neuroscience research lab, received guidance and $2400 funding for project