

JAMES LU

Student, developer, creator

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OBJECTIVE

To obtain a software engineering internship for the spring and/or summer of 2019 to further my skills in software development and learn new technologies.

EXPERIENCE

Software Engineer Intern | Summer 2018

Verizon Connect (formerly Verizon Telematics) | Atlanta, GA

- Created a fully-functional, full stack, proof-of-concept activity feed application from scratch to reorganize system-generated content and implement new social functionality
- Architected a simple and extensible SQL-based schema to store all the data required for the application
- Implemented a comprehensive REST API in Python for creating, reading, updating, and deleting data in the database
- Developed a React/Typescript database manager web application with an easy-to-use interface to allow testers to dynamically add and remove content to activity feeds and other database contents
- Developed a user-facing Android application to display data from the database and React web application in the form of cards
- Created a working chatbot prototype, integrated in the Android application, with Rasa Core/NLU and a spaCy/scikit-learn pipeline to understand human language and return relevant information

Tech Team Member | Jan 2018 - Present

HackGT Inc. | Atlanta, GA

- Develop React-based front-end for a web application to help streamline hackathon judging
- Help organize various events including HackGT's flagship 1000-person hackathon, Catalyst: a learnathon for metro-Atlanta high school students, and BuildGT: a hardware-based hackathon

Residential Technology Advisor | Aug 2017 - Present

Wreck Techs at Georgia Tech | Atlanta, GA

- Provide walk-in, phone, live chat, email, and in-room support for technology and networking infrastructure at Georgia Tech for students living in Georgia Tech housing

Tutor | Aug 2017 - Dec 2017

Georgia Tech College of Computing | Atlanta, GA

- Taught and assisted students in a one-to-one environment in Computer Organization & Programming

PROJECTS

Bus Visualizer | May 2018 - Present

Lead Developer

- React-based web application to help better visualize bus routes, frequencies, and live locations for metro Atlanta

Hershey National Honor Society Website | Aug 2015 - Present

Lead Developer

- Designed and developed an intuitive website from scratch for Hershey High School's 180+ national honor society members, officers, and advisors to access and edit critical data
- Created a flexible PHP and MySQL-based backend for user-authentication, event management, and content editing

EDUCATION

Georgia Institute of Technology | Atlanta, GA

Aug 2016 - Dec 2019

- B.S. in Computer Science
- Threads: Intelligence, Info-Internetworks
- GPA: 3.88/4.00

Hershey High School | Hershey, PA

Aug 2012 - June 2016

SKILLS

Experienced

- Android
- CSS
- HTML
- Java
- Javascript/NodeJS
- Python
- React
- SQL

Familiar

- Assembly
- C/C++
- PHP
- Rasa Core/NLU
- Redis
- SCSS
- Typescript

COURSEWORK

Fall 2018

- Introduction to Robotics & Perception
- Mobile Apps & Services
- Introduction to Computer Vision

Previous Semesters

- Introduction to Object-Oriented Programming
- Data Structures & Algorithms
- Honors Discrete Math
- Computer Organization & Programming
- Systems & Networks
- Objects & Design
- Computer Networking I
- Algorithm Design & Analysis
- Introduction to Artificial Intelligence
- Introduction to Databases
- Machine Learning

INVOLVEMENT

- HackGT (Organizer, Volunteer)
- HackGT Catalyst (Organizer, Mentor)
- Georgia Tech VGDev (Member, Developer)
- RoboSense VIP: Wind Field Mapping (Member)
- College of Computing Career Fair (Volunteer)