Navaneet Kadaba

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EDUCATION

Georgia Institute of Technology | *Atlanta, GA* *Expected Graduation: May 2023*
B.S Computer Science *(Intelligence & Systems Architecture)* | GPA: 4.0

- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Computer Organization & Programming, Systems & Networks, Artificial Intelligence, Linear Algebra, Multivariable Calculus, Discrete Math, Combinatorics
- Faculty Honors x2, Dean's List x2

SKILLS

Programming Languages: **Java**, **C/C++, HTML/CSS/Javascript**, **Python, MATLAB**
APIs/Libraries: **Firebase**, **JQuery**, **Node.js**, **React.js, OpenCV**
Tools: **Eclipse**, **Android Studio, Unity, Docker, AWS Amplify, Lambda, DynamoDB, EC2, S3, Serverless**

WORK EXPERIENCE

SiriusXM Connected Vehicle Services | Software Engineering Intern *Summer 2021*

- Implemented an NLP/ML powered support engineer chatbot for slack which solves requests by running diagnostics, giving relevant FAQ pages, and suggesting possible answers based on previous requests
- Solved 40% of cases, and assisted support engineers with 60% of cases. Dealt 150 cases a day
- Developed a react website which displays diagnostic data to assist a support engineer
- Utilized the serverless framework with AWS services such as Lambda, DynamoDB, Amplify

ACTIVITES

Georgia Tech Inan Research Lab | *Undergraduate Researcher* *August 2021 - Present*

- Create machine learning models to analyze patient data from a seismocardiogram and ECG

Georgia Tech Experimental Flights VIP | *Software Subteam Lead* *August 2020 - Present*

- Lead a team of 7 that developed an admin flight control webapp in React. The app displays the drone's data, allows modifications to its path, and serves as a REST API for a mobile app to access drone data.
- Revamped on autonomous drone path planning software that uses a RRT algorithm by creating a GUI that streamlined testing various routes for Georgia Tech's campus

Georgia Tech Robotics | Software Training Leader & Robonav Developer *August 2020 - Present*

- Train new members about Robotics Principles such as C++, ROS, Neural Networks, Machine Learning
- Migrated nodes used for simulation testing in gazebo from ROS1 to ROS2. Robot uses a neural network with Lidar data to autonomously navigate an obstacle course.

Homestead National Honor Society | *Vice President of Technology* *August 2018 - June 2020*

- Streamlined club operations by developing a web app for the 100+ members
- Application featured event registration, blog posts for events, and hours logging for members

STEMEY | CTO *August 2018 - Present*

- CTO of a nonprofit organization that aims to inspire students to pursue stem fields
- Lead a team of 10 to maintain the website and develop tools for online classes such as virtual labs

Homestead Robotics | Programmer *August 2018 - June 2020*

- Introduced basic computer vision functionality for the robot by utilizing the OpenCV library to measure the distance from a marked object, so the robot could align itself autonomously

BayAreaYouths | Co-Founder *Summer 2019*

- Co-Founded an organization which held free classes on various subjects for children.
- Taught Programming and Soccer classes which had 15+ students

AWARDS

- AP Scholar with Distinction *July 2019*
- 5th place 3D Animation FBLA Nationals *July 2019*
- 8th place Information Technology FBLA Nationals *July 2018*
- 5th place Stanford ProCo (Programming Competition) *May 2017*