Ved Ameresh
University of Michigan Engineering Student

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EDUCATION

University of Michigan
Bachelors of Science in Computer Science
Minor in Climate Engineering
Current GPA: 3.5/4.0
Relevant Coursework: Operating Systems, Web Systems, Computer Security, Database Management Systems, UI/UX Design, Computer Organization, Data Structures and Algorithms

Ann Arbor, MI
Expected Graduation: April 2021

WORK and PROFESSIONAL EXPERIENCE

Stryker Corporation
Software Engineering Intern

Kalamazoo, MI
May 2019 - July 2019

- Developed working beta prototype of a cross-platform IOT mobile app responsible for the configuration and setup of devices via Wi-Fi and Bluetooth
- Led quantitative analysis meetings on cross-platform mobile development frameworks
- Implemented fully automated CI/CD while following Agile workflow
- Developed various wireless connectivity methods including Wifi P2P and Bluetooth LE
- Created a custom framework to dynamically generate a mobile UI from a JSON schema
- Developed HTTP and Websocket file transfer system between IOT device and application

Falcon Lakeside Manufacturing
Developer Intern

Stevensville, MI
May 2018 - August 2018

- Developed Android application to assist in alloy selection and calculations for die casting
- Ensured application met functional and design specifications and requirements.
- Modeled multiple components using EKK Capcast software to analyze stresses caused by air pressure, temperature, solidifications, etc.
- Created presentations and model simulations to present to customers

Michigan Engineering Zone
U-M Mentor Coordinator

Detroit, MI
January 2018 - Present

- Managed and organized a community service group of 40+ U-M student mentors under the MEZ FRC robotics program for Detroit high-schoolers.
- Chaired proposals and led information and strategy teams to develop and improve the MEZ.
- Created and edited weekly publications for high-school students and teachers to supplement and guide robotics development.
- Developed internal branding guidelines for publication and other media.
- Connected with staff, teachers, mentors, and students alike to create a safe, conducive, and productive work environment within the MEZ.

Kay Manufacturing
Vision Controls Intern

Calumet City, IL
June 2017 - August 2017

- Programmed Keyence IV Hole Detection vision analysis
- Created electrical schematics with AutoCAD Electrical for vision and FANUC Robotic cells
- Developed interactive user interface for machining cells
- Analyzed operation cycles to reduce downtime

SKILLS

Programming Languages: C/C++, Python, Java, JavaScript, HTML/CSS, MongoDB, SQL, MatLab, GoLang
Developer Tools: Git, Bash Scripting, React, Angular, AWS, Azure, Ionic Studio, Android Studio, Vim