

Ade Sobodu

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Education

University of Ottawa • Ottawa, ON

BASc in Electrical Engineering & BSc in Computing Technology • Expected 12/2022

Cumulative GPA: 3.5/4.0

Relevant Coursework: Data Structures & Algorithms • Object Oriented Programming • Programming Paradigms • Software Engineering

Honours & Awards: Dean's Honour List • Merit Scholarship

Experience

Product Support Engineer | 06/2021 – 08/2021

Xerox

- Managed product issues and provided technical solutions to customers through diagnostics and testing
- Configured, tested, and fixed customer products and systems utilizing TCP/IP and networking principles

Skills

Programming Languages | Java • Python • JavaScript • C++ • HTML • CSS

Frameworks & Databases | React • Node.js • Tailwind • PostgreSQL • MongoDB • Firebase • InfluxDB

Software & Technologies | AWS • Docker • OpenCV • Git • Android Studio • MATLAB

Projects

Gruhb – 🌐 | 10/21 – Present

JavaScript • React • Node.js • Tailwind • PostgreSQL • AWS • Docker

- Developing a **full stack** web app using **MVC** design pattern that serves as a social media like knowledge base for food recipes
- Implementing social media features allowing users to post and like recipes while also utilizing an **API** to obtain existing recipes
- Implementing user authentication with **OAuth**, and data storage and query with **Node.js** and **PostgreSQL**
- Utilizing **Docker** for staging deployments by creating docker files to generate images stored in **AWS ECR**

Covid Risk Monitor – 🌐 | 06/21

Python • OpenCV • InfluxDB • Raspberry Pi

- Designed a wearable **IoT** device that suggests user's Covid risk level by monitoring their daily activities and interactions
- Implemented computer vision with **OpenCV** and trained a model to detect facemasks using a dataset of 1000 images
- Developed a user interface that displays the data and logs using **Grafana** with data storage and query using **InfluxDB**

E-merge – 🌐 | 01/20 – 04/20

Python • Circuit Playground • Android Studio • Java • Firebase • SolidWorks

- Led a team of 5 in designing a wearable emergency device according to a client's needs through **agile** development
- Developed a companion application using **Android Studio** and **Java**, storing and querying user data using **Firebase**
- Managed **continuous integration** and regular **unit testing** with **Circle CI** ensuring application is functional

Activities & Events

Clubs – Google Students Developer Club, IEEE uOttawa, Engineering Students Society | Member | 2018 – Present

Attended, participated, and volunteered in club meetings, events, and workshops

Hackathons & Coding Challenges – uOttHack, Hack the North, cuHacking | Hacker | 2020 • 2021

Competed in hackathons, worked with teams, and attended several workshops