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SKILLS

Professional Experience In:

`AWS` `Jest` `ADB` `React.js`
`Python` `JavaScript`

Competent With:

`Java` `CSS` `Pandas`
`HTML` `PHP` `SQL`

Some Knowledge Of:

`Express.js` `JavaFX` `C++`
`Node.js` `TensorFlow/Keras`

RELEVANT COURSES

Introduction to Program Design
Introduction to Computing
Data Structures & Algorithms
Discrete Structures in Computing
Programming Languages
Design & Analysis of Algorithms
Programming Studio
Introduction to Computer Systems
Linear Algebra
Principles of Statistics
Operating Systems
Machine Learning
Competitive Programming
Networks and Distributed Processing (In Progress)

HACKATHONS

TAMUHack – Spring 2019
HackDFW – Spring 2019
HowdyHack – Fall 2019
TAMUHack – Spring 2020

AOLIN (ALLEN) YANG

EDUCATION

Texas A&M University   May 2022
B.S. in Computer Science, Minor in Mathematics, GPA: **3.88**   College Station, TX
Computer Science Honors | University Honors | Corps of Cadets

EXPERIENCE

Software Engineer   August 2022 - Present
Meta   Burlingame, CA
- Developed **automated** programs and frameworks in **Python** in order to improve the health and reliability of the Smart Glasses multi-device end-to-end core functionality testing infrastructure
- Wrote and improved upon robust end-to-end stress stability tests in the **Jest** framework that automate **Smart Glasses**, **Android Phones**, and **iPhones** in order to provide an accurate signal for software regressions
- Drove XFN collaboration with various Smart Glasses feature teams to ensure a smooth launch for **Ray-Ban Meta** by catching more than **10** regressions and bringing the end-to-end stability to **98%**
- Engineering a comprehensive method to utilize test and device logs to automatically triage test failures to the appropriate team, thus reducing manual efforts

Technology Internship Program   June 2021 – August 2021
Capital One   Virtual
- Expedited the emergency authorization process of AWS account access by writing and systematically testing APIs that manage the authorization of urgent access requests
- Reduced AWS account access-granting latency from 10 minutes to 1 minute
- Used **Python** for writing APIs and **AWS Lambda & DynamoDB** for deployment

Flood Damage Prediction   August 2020 – December 2020
University Research   College Station, TX
- Prepared over 50 GB of Hurricane Harvey flood data for supervised learning by cleaning and extracting necessary information from the data
- Trained KNN and SVM models in order to fit models for regional damage prediction
- Performed preparation & training using **Azure Virtual Machine**

Software Engineering Internship   January 2020 – August 2020
Synchrogrid, LLC   College Station, TX
- Allowed business clients to simulate power grid faults by building a fault simulation and visualization feature within the Setting Automation Relay Assistant software in **React.js**
- Utilized the **D3** library in order to allow clients to visualize fault graphs

PROJECTS

Trip Planner   July 2019 – August 2019
- Designed a web application that lets users manage trip plans in detail
- Implemented backend in **Express.js** and frontend in **React.js**

Reversi: Oblique   June 2019 – July 2019
- Developed JavaFX application that lets users play a modified version of Reversi against an AI or against other players through LAN via Java Socket
- Implemented AI using the **Alpha-Beta Minimax Algorithm** with a max tree depth of **7**