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Ⓓ devpost.com/aolinyang

SKILLS

Proficient In:

`Java` `HTML` `CSS` `React.js`
`Python` `JavaScript` `SQL` `C++`

Competent With:

`AWS` `Azure VM` `Pandas` `JavaFX`
`Node.js` `Express.js` `PHP` `Agile/Scrum`

Some Knowledge Of:

`MongoDB` `Linux/Unix Bash` `Docker`
`Android Studio` `Firebase` `TensorFlow/Keras`

CERTIFICATIONS

AWS Solutions Architect – Associate (In Progress)

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
Computer & Network Security (Fall 2021)
Networks and Distributed Processing (Fall 2021)

HONORS AND AWARDS

🏆 USA Computing Olympiad Gold Division (2017)

AOLIN (ALLEN) YANG

EDUCATION

Texas A&M University   May 2022
Bachelor of Science in Computer Science, GPA: **3.86**
Computer Science Track Honors | University Honors | Corps of Cadets

EXPERIENCES / PROJECTS

Technology Internship Program   June 2021 – Current
Capital One Bank   Virtual

- Expedited emergency authorization of **AWS** production account access by writing and systematically testing APIs that communicate with an external approver application
- Reduced **AWS** account access-granting latency from **5 minutes** to **30 seconds**
- Used **Python** for writing APIs and **AWS Lambda** for deployment

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 in **React.js**
- Utilized **D3** in order to allow clients to visualize fault graphs

Flood Prediction Machine Learning Research   August 2020 – December 2020
University Research   College Station, TX

- Constructed meaningful data structures from over **50 GB** of Harvey data
- Utilized models such as **KNN** and **SVM** in order to predict regional damage
- Involved the usage of **Jupyter Notebook** on **Azure Virtual Machine**

Four Hackathons   2019 – 2020

- Collaborated with multiple teammates to develop software in **24** hours

Travel Planner   July 2019 – August 2019
Personal Project   Sugar Land, TX

- Engineered a web application that lets users manage travel plans in detail
- Integrated modern web libraries/frameworks such as **Express.js** and **React.js**

Reversi: Oblique   June 2019 – July 2019
Personal Project   Sugar Land, TX

- Developed **JavaFX** application with **1000+** lines of code that lets users play a modified version of Reversi against an AI or against each other through LAN

LEADERSHIP

Cadet Sergeant (Junior)   August 2018 – Present
Corps of Cadets, Texas A&M University   College Station, TX

The Corps of Cadets develops well-educated leaders of character who are prepared for the global leadership challenges of the future.

- Trained **20** freshmen as a sophomore to be excellent cadets and students
- Guided unit of **60** people as a junior to help them succeed in their career paths

Aggie Toastmasters – VP of Membership   January 2019 – Present
Toastmasters International – Texas A&M University   College Station, TX

- Developed essential public speaking and communication skills as a member by giving speeches in front of an audience and hosting multiple meetings