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## SKILLS

**Proficient In:**

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

**Competent With:**

`AWS` `Azure VM` `Pandas` `JavaFX`
`Node.js` `Express.js` `PHP`

**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)

## HONORS AND AWARDS

🏆 USA Computing Olympiad Gold Division (2017)

# AOLIN (ALLEN) YANG

## EDUCATION

Texas A&M University, College Station, Texas | May 2022

Bachelor of Science in Computer Science, GPA: **3.86**

Computer Science Track Honors | University Honors | Corps of Cadets

## PROJECTS / EXPERIENCES

Technology Internship Program | June 2021 – Current
Capital One Bank | Virtual

- Developed and systematically tested APIs for **IAM** application written in **Python** and deployed on **AWS Lambda** in accordance with the **Agile** process

Software Engineering Internship | January 2020 – August 2020
Synchrogrid, LLC | College Station, TX

- Developed crucial features for power grid failure simulation software written in **React** in accordance with the **Agile** process

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 and utilized models such as **KNN** and **SVM** in order to predict regional damage using **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 a **JavaFX** application with **1000+** lines of code that lets users play modified 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