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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  
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