Alex J Wang

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EDUCATION

DUKE UNIVERSITY
BS in Computer Science and Economics
Class of 2023 | Durham, NC
Trinity College of Arts and Sciences
Cum. GPA: 3.86 / 4.0
Major GPA: 4.0 / 4.0

OBRA D. TOMPKINS HS
Grad. May 2019 | Katy, TX
Cum. GPA: 4.84
Rank: 3 / 800

SKILLS

TECHNICAL SKILLS
Proficient with:
Java • Python3 • Javascript (ES6)
Flask • React • Node.js • Express
MongoDB • HTML5 • CSS3
MaterialUI • Bootstrap • Git
C • Assembly • Agile (Scrum)
Shell • Jenkins • OpenShift
Docker • npm • Heroku

SOFT SKILLS
Outstanding:
Verbal communicator and writer
Leader • Motivator • Team Player

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Computer Architecture
Multivariable Calculus
Linear Algebra
Macroeconomics
Microeconomics

VOLUNTEER WORK

KATYISD TENNIS CAMP
Summer 2018 2019 | Katy, TX
• Volunteered as a tennis coach at KatyISD Tennis Camp.

• Worked with children ages 6-14.

• Coordinated warm-up activities and various groundstroke drills.

EXPERIENCE

UNITEDHEALTH GROUP (OPTUM) | Software Engineering Intern
June 2020 – August 2020 | Raleigh, NC
- Developed a full stack web application with React/Flask/MongoDB that fosters collaboration between developers on inner source libraries.
- Created RESTful API microservice using Flask to access NoSQL database.
- Taught myself how to deploy applications on OpenShift with CI/CD Jenkins pipeline and Docker.
- Communicated with team members and organization leaders to leverage business resources in order to finalize production-ready solution.

QUESTED | iOS Developer
September 2019 - January 2020 | Durham, NC
- Worked with team to develop an iOS application that teaches young children about leukemia.
- Wrote unit tests for Swift applications.
- Collaborated with development team and product managers to scale the application's MVC architecture.

TECHNICAL PROJECTS

REACT PATHFINDING VISUALIZER | Website, Github
Spring 2020 | Houston, TX
- Developed a Reactjs application that visualizes famous pathfinding and maze-generation algorithms.
- Implemented Dijkstra's algorithm, bidirectional search, depth first search, breath first search, and recursive maze division.

POOL PARTY | Website, Github
Fall 2019 | Chapel Hill, NC
- Developed a full stack web application that connects students in the Research Triangle Area (NC) who want to carpool to RDU International Airport.
- Utilized ReactJS, Node.js, Express, MongoDB, and Bootstrap.
- Built at HackNC Hackathon (UNC Chapel Hill) and collaborated with two teammates using Git as version control.

YANGTRACK | Website, Github
Fall 2019 | Durham, NC
- Developed a web application that fetches tweets regarding Andrew Yang from the official Twitter API and performs sentiment analysis on the data.
- Utilized chart.js npm package to visualize sentiment analysis data.
- Built in ReactJS, Node.js, and Express.

AWARDS

Year	Level	Award
2019	National	National Merit Finalist
2019	National	National AP Scholar
2018	National	1st place in Financial Math	Future Business Leaders of America
2018	State	1st place in Remote Sensing (Spatial Mapping) Texas Science Olympiad State Tournament