Alvin Bao

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
BS in Computer Science
Expected Grad.: May 2023 | Atlanta, GA
College of Computing
GPA: 4.0 / 4.0
Honors:
Faculty Honors Spring 2020
Faculty Honors Fall 2019

ENLOE HIGH SCHOOL
High School Diploma
Grad. June 2019 | Raleigh, NC

SKILLS

TECHNICAL SKILLS
Python • Java • React • Javascript
HTML • CSS • Git • C++
Swift • Bash • Node.js • PyQt5
TensorFlow • Google Cloud Platform
React-Native • Docker

SOFT SKILLS
Initiative • Resourcefulness
Perseverance • Leadership

COURSEWORK

Discrete Mathematics
Intro to Object-Oriented Programming
Intro to Computing
Linear Algebra
Data Structures and Algorithms
Computer Organization and Programming
Objects and Design

AWARDS

2020
UGAHacks5 Best Use of Google Cloud
2019
Honor Band of America
Essentially Ellington New York
2018
Essentially Ellington New York

EXPERIENCE

PAGARBA | Software Engineering Intern
May 2020 - June 2020 | Marietta, GA
- Worked on the mobile app team, in React-Native and TensorFlow to develop an image classification model for a mobile app in production
- Used Docker to call and integrate a container used for OCR
- Created a bash script to generate synthetic data for training the model

TECHNICAL PROJECTS

MACHINE LEARNING WEB APP | Github
February 2020 | Athens, GA
- Predicted game watch-ability using score differential for NBA and NFL games
- Winner of the Best Use of Google Cloud award at UGAHacks 5
- Developed front-end of the web app using PyQt5 React and Node.js
- Wrote a Python script to call the TensorFlow backend

VOICE ASSISTANT | Github
June 2020 | Cary, NC
- Built a voice assistant named Lisa using Swift
- Used AVFoundation, UIKit, FBSDKLoginKit, and Facebook Graph API
- Created greeting, reading posts, and jokes functionality
- Submitted to Facebook AI Hackathon

SOCIAL DISTANCING ANDROID APP | Github
May 2020 | Cary, NC
- Displayed a heatmap of areas with high concentrations of people
- Developed front-end with Android Studio and integrated the Firebase Realtime Database
- Found datasets with traffic camera locations for the computer vision algorithm

CLUBS AND LEADERSHIP

RISING ENTREPRENEUR SOCIETY @ GT | President and Founder
July 2020 – Present | Atlanta, GA
- Fostering an environment for entrepreneurial growth both within the organization and throughout the GT community.
- Currently working on building the website in HTML, CSS, and Javascript

GEORGIA INSTITUTE OF TECHNOLOGY | CS 1100 TA
June 2020 - Present | Atlanta, GA
- Helping 31 first-year computer science students acclimate to Georgia Tech
- Organized a virtual event for 70 first-years to meet each other one on one

GOOGLE | Developer Student Clubs Lead
July 2020 – Present | Atlanta, GA

GEORGIA TECH ACM PROGRAMMING TEAM | General Member
Aug 2019 – Present | Atlanta, GA

GEORGIA TECH IOS DEVELOPMENT CLUB | General Member
Aug 2019 - Present | Atlanta, GA