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Objective

Undergraduate computer science student seeking summer 2021 software engineering internship.

Education

Georgia Institute of Technology **2020 – 2024**
BS, Computer Science *Atlanta, GA*
Relevant Courses: Object-Oriented Programming, Discrete Math, Data Structures & Algorithms (Spring)
Canyon Crest Academy **2016 – 2020**
High School Diploma, GPA: 3.93/4.0 (Unweighted) *San Diego, CA*
Relevant Courses: AP Computer Science A, Linear Algebra, Multivariable Calculus, AP Calculus AB & BC

Experience

***Founder,* Pryntabo** **January 2017 - Present**
- Pryntabo is a startup that specializes in innovative electronic products made with 3D printing. *San Diego, CA*
- Led the development of 3 electronic products.
- Sold over 600 units to more than 10 countries.
- Ran 2 successful crowdfunding campaigns.

***Intern,* Leonardo DRS Daylight Solutions** **August 2019 - January 2020**
- Engineered a laser-based system to identify the molecular makeup of gas samples. *San Diego, CA*
- Utilized Python to develop a desktop application for automatic laser control.
- Built C++ firmware for microcontrollers.

***Intern,* Victorise** **June 2019 - December 2019**
- Prototyped Bluetooth wearable sports tracker. *San Diego, CA*
- Designed, tested, and implemented C++ firmware.

***Intern,* SD3D** **June 2018 - July 2018**
- Engineered 3D printed products for clients. *San Diego, CA*
- Tested and implemented the Internet of Things (IoT) 3D printer automation platform.

Skills

Programming: Python, Java, C/C++, HTML, JavaScript, CSS, Git
Spoken Languages: Mandarin (fluent), Cantonese (proficient), Spanish (basic)

Projects

Grocery Grab (Team of 3) ***Java, REST API, Android Studio, ARCore, NCR Cloud***
Reimagining retail shopping in the COVID era by minimizing interpersonal contact and time in store.
Smart AC Control (Team of 5) ***C++, Java, REST API, Firebase, Android Studio, Particle Cloud***
Achieve thermostatic control, remote control, and temperature scheduling with dormitory air conditioners.
Smart 3D Printer Emission Monitor ***C++, jQuery, HTML, CSS, REST API, Particle Cloud, Bootstrap***
Monitor the emission of toxic chemicals from 3D Printing and warn the user of potential dangers.
Knobo ***C++***
An intuitive and compact device that helps the visually impaired learn braille.

Leadership

***Founder,* Aquament** **June 2019 - Present**
- Aquament is a nonprofit that aims to reduce ocean plastic pollution and make 3D printing more sustainable. *San Diego, CA*
- Lead the research and development of 3D printer filaments from plastic wastes.

***Vice President/Treasurer,* CCA Hack Club** **March 2019 - June 2020**
- Taught programming through project-based learning. *San Diego, CA*
- Organized weekly meetings and managed expenses for the club.
- Organized Super Hack: San Diego's premier high school hackathon with a team of 5 (over 400 signups, postponed due to Covid-19).
- Created workshops to teach the basics of machine learning.

***Volunteer Coach,* Master Sports Basketball** **February 2016 - August 2019**
- Created training programs and taught basketball skills to middle school players. *San Diego, CA*
- Coached and instructed the players during weekly games.

Awards

2020 HackGT 7 1st Place
Awarded $4,000 for my team project Grocery Grab.
2019 Hackaday Prize Best Benchmark
Awarded $10,000 for my project Knobo.
2019 SeaWorld & Busch Gardens Youth Entrepreneurial Award
Awarded $1,000 for my nonprofit Aquament.
2020 Georgia Tech Invention Studio Hackathon 2nd Place
Presented for my team project Smart AC Control.