Gary Peng

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Objective
Undergraduate computer science student seeking summer 2021 software engineering internship.

Education

Georgia Institute of Technology   **2020 - 2024 (Atlanta, GA)**
BS, Computer Science
Relevant Courses: Object-Oriented Programming, Discrete Math, Data Structures & Algorithms (Spring)

Canyon Crest Academy   **2016 - 2020 (San Diego, CA)**
High School Diploma, GPA: 3.93/4.0 (Unweighted)
Relevant Courses: AP Computer Science A, Linear Algebra, Multivariable Calculus, AP Calculus AB & BC

Experience

Founder, **Pryntabo**   **January 2017 - Present (San Diego, CA)**
- Pryntabo is a startup that specializes in innovative electronic products made with 3D printing.
- 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 (San Diego, CA)**
- Engineered a laser-based system to identify the molecular makeup of gas samples.
- Utilized Python to develop a desktop application for automatic laser control.
- Built C++ firmware for microcontrollers.

Intern, **Victorise**   **June 2019 - December 2019 (San Diego, CA)**
- Prototyped smart wearable sports tracker utilizing Bluetooth and the Internet of Things (IoT) technology.
- Designed, tested, and implemented C++ firmware.

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

Skills

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

Projects

Knobo
An intuitive and compact device that helps the visually impaired learn braille.
C++

Smart 3D Printer Emission Monitor
Monitor the emission of toxic chemicals from 3D Printing, collect emission data, and warn the user of potential dangers.
C++, REST API

Hand Gesture Smart Light Control
Control smart light and other internet-connected devices with hand gesture recognition.
C++, LIFX API, LAN Protocol

Leadership

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

Sponsorship Lead, **Super Hack**   **August 2019 - June 2020 (San Diego, CA)**
- Super Hack is San Diego's premier high school hackathon organized by CCA Hack Club (over 400 signups, postponed due to Covid-19).
- Acquired sponsors for this hackathon.
- Created workshops to teach the basics of machine learning.

Vice President/Treasurer, **CCA Hack Club**   **March 2019 - June 2020 (San Diego, CA)**
- Taught programming through project-based learning.
- Organized weekly meetings and managed expenses for the club.

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

Awards

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.