Albert Han

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Objective:

A challenging summer intern position where I can utilize my problem-solving skills, punctuality, and communication skills to further develop my knowledge and abilities in the field of computer - science and engineering.

Education:

University of California, Los Angeles
B.S. Computer Science
Expected Graduation: June 2022
GPA: 3.63   Departmental GPA: 3.79

Courses:
Data Structures and Algorithms,
Algorithms and Time Complexity,
Software Construction Laboratory,
Introduction to Computer Architecture,
Logic Design of Digital Systems

Skills:

Programming Languages:
Java, C++, Python, C
HTML, CSS, JavaScript
React.JS, Node.JS, MongoDB

Technologies:
Linux, Emacs, Regex, Bash, Git

Design Technologies
Adobe Illustrator, Adobe XD, Inkscape, Figma

Soft Skills:
Teamwork, Attention to Detail, Flexibility, Communication, Problem Solving

Other skills/Experiences:
Graphic Design
Eagle Scout (Boy Scouts of America)
Languages: Mandarin, Japanese

Work Experiences:

iD Tech Camps   **June - August 2019**
- Created lesson plans and taught C++ and Java to high school students in an 8 hr/day intensive summer program
- Encouraged students to think critically and learn the fundamentals of computer science

Growing Tree Learning Center   **June - August 2018**
- Assisted teachers and faculty at a preschool while developing leadership and problem-solving skills
- Taught children Chinese, English, and Math classes

StrongAuth, Inc (now Strongkey)   **June - July 2017**
- Wrote test classes to find errors in the engineers' code in Java
- Increased knowledge of encryption and network security

Projects:

Zombie Dash (2019)
- Multi-level, state oriented game where the player navigates through a map to avoiding hitting zombies, while using different items to kill zombies and remove them from the map (C++)

Genome Matcher (2019)
- Designed multi-function genome matcher application that processes through large files of DNA sequences to efficiently find matches between different sets of DNA (C++)

IDEA Hacks Website (2019)
- Created style guides and graphics using Adobe Illustrator and used Figma to put together the website for 2020's IDEA Hacks

Silent Security (IDEA Hacks 2019)
- Created a two-part hardware project connected via Bluetooth. If one senses movement, the other vibrates uncontrollably until a fingerprint sensor shuts the vibrator off. (Arduino)

IEEE OPS Capstone (2019)
- Built a car that navigated through a maze via controller connected by radio. The controller took values from an IMU and the wheels on the car would rotate accordingly. (Arduino, IMU, Radio, PCB Design with Eagle, Motors)

Clubs and Organizations:

IDEA Hacks: UCLA's Hardware Focused Hackathon (2018 - present)
- Design Lead (2019 - present)
  - Responsible for leading a team of five to manage the social media, graphics, website design and publicization
  - Wrote a style guide from scratch and designed main graphics for the event.
- Hacker (2018)
  - Worked in a team to create a project, advanced to top 9 teams

Institute of Electrical and Electronic Engineers (IEEE) (2018 - present)
- Publicity Chair (2019-)
  - Handles promoting the club to students and off campus organizations through various forms of media, including design, photography, and social media