Keith Ho

San Diego, CA | (415) 683-8263 | **keithho.kdh@gmail.com** | linkedin.com/in/**keithdho** | **keithdho.github.io**

Education

University of California, San Diego   Jun 2022

B.S. Mathematics-Computer Science with Minor in Cognitive Science   Major GPA: 3.5 | Minor GPA: 4.0

Relevant Coursework: Data Structures & Algorithms, Object Oriented Design, Software Tools & Techniques Lab, Data Science in Practice, Software Engineering, Principles of Computer Operating Systems

Skills

Languages: Java, C++, Python, HTML, CSS, JavaScript

Software & Tools: Unix, Bash, Vim, Visual Studio, LaTeX, Puppeteer, Git, Bootstrap

Work Experience

HCL Technologies | Software Engineer Intern | Remote   Jan 2022 - May 2022

- Worked under Engineering and R&D Services to research different techniques for object detection and recognition
- Performed demos to internal and external teams to gather feedback and requirement changes
- Optimized an existing computer vision model using a custom dataset to detect and recognize traffic lights in an urban environment using **Python** and computer vision

Projects

Portfolio Website   Jul 2022 - Present

- Developed front-end with **HTML** and **CSS** to create a portfolio to compile all my experience
- Designed a responsive website using **Bootstrap** cards and navigation bar to layout contents to fit different browser sizes

Bullet Journal   Mar 2021- May 2021

- Collaborated in a team of 9 to optimize the design and ensure the functionality of an online bullet journal
- Created and executed 50 automated software tests to locate and debug software problems using **Puppeteer**

Huffman Encoding and Compression   Feb 2021

- Implemented a file compression tool using the Huffman algorithm in **C++** with a header
- Performed file I/O operations to encode bits to the stream and decode bit sequences from the stream

Leadership

Alpha Phi Omega, Rho Pi Chapter — National Service Fraternity

Professional Development Chair   Sep 2021 - Feb 2022

- Presented and promoted 100+ networking opportunities regarding academic and professional development
- Spearheaded a resume critique program and educated 30+ prospective members on professional email etiquette
- Managed the Facebook and LinkedIn alumni pages by advertising essential updates to 700+ alumni

Finance Vice President   Feb 2020 - Jun 2020

- Raised $600+ to donate to outside charities and to fund chapter events by contacting local restaurants and small businesses to plan, advertise, and execute fundraisers
- Managed all funds of the chapter and collaborated with the president to complete an annual audit
- Compiled financial reports of the chapter's financial condition to present at general body meetings