

# Hei Lam (Jarvis)

## Computer engineering student

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### OBJECTIVE

As a dedicated and aspiring Software Engineering Grad school student, my primary goal is to find an internship in the field of computer engineering or software where I can apply my academic knowledge, technical skills, and passion for technology to contribute effectively to a dynamic team. I am eager to gain hands-on experience, solve real-world problems, and continue expanding my skill set while making a meaningful impact on innovative projects within a professional environment.

### EDUCATION

#### B.S., Computer Engineering

San Jose State University, San Jose, CA  
Charles W. Davidson College of Engineering  
SJSU GPA: 3.115/4.00  
Overall GPA: 3.237/4.00

August 2020 - December 2024

#### MS, Software Engineering

San Jose State University, San Jose, CA  
Charles W. Davidson College of Engineering  
SJSU GPA: 3.1/4.00  
Overall GPA: 3.237/4.00

January 2024 - Present

**RELATED COURSEWORK:** Programming Concepts and Methodology, Object-Oriented Concepts and Methodology, Assembly Language Programming, Algorithms and Data Structure Design, Electronics for Computing Systems, Digital Design, Advanced Algorithm Design, Software Engineering, Operating Systems Design, Microprocessor Design, Computer Networks, Compiler Design, Information Security, Database Systems, Computer Architecture and Design, Mobile Software Engineering

### PROJECT EXPERIENCE

#### Software Engineering, SJSU

Fall 2022

- Developed an online chatbot as part of a team and presented a successful team demonstration.
- Facilitated team progress through brainstorming, delegating tasks in weekly Discord meetings, and designed the chatbot's login and conversation interface using HTML.

#### Compiler Design, SJSU

Spring 2023

- Took the lead role in designing and developing a compiler in C++, overseeing project progress and issue resolution through regular Discord meetings. Acquired substantial expertise in C++.

#### Database Design, SJSU

Fall 2023

- Collaboratively designed and created a web-based car rental system interface using HTML, PHP, MySQL, and XAMPP. Organized consistent Discord meetings to track progress and troubleshoot issues.

### SKILLS

**Programming:** C, C++, Java, JavaScript, Python, Verilog, HTML, SQL

**IDE Software:** XCode, Android Studio, VS Code

**Server:** Node.JS

**Database management system:** MySQL

**Office suite software:** Apple iWork (Pages, Numbers, and Keynote), Microsoft Office (Word, Excel, PowerPoint), and Google Suite (Docs, Sheets, and Slides)

**Video editing software:** Final Cut Pro

**OS operation:** macOS, windows, and Linux (ubuntu)

**Language:** Native Cantonese and Mandarin speaker, and fluent in English

## **STRENGTHS**

**Problem Solving & Decision Making:** Able to analyze situations comprehensively to arrive at the best solution

**Passionate & Quick Learner:** Fueled by my curiosity and enthusiasm to learn as many useful new skills as possible