

# Kian Malakooti

---

588 El Camino Real, Santa Clara 95050 | kianjmalakooti@gmail.com | (408) 391-4221  
<https://www.linkedin.com/in/kian-malakooti-18397218b/>

## EDUCATION

**Santa Clara University**, Santa Clara, CA

**June 2023**

*Bachelor of Science in Computer Science and Engineering*

**Relevant coursework:** Theory of Algorithms, Operating Systems, Data Structures, Web Development, Compilers, Object-Oriented Programming, Artificial Intelligence, Computer Networks, Software Engineering

## EXPERIENCE

### **Project Manager**

**September 2022 - Present**

Santa Clara University HCI Lab

Santa Clara, CA

- Led the creation of a "digital twin" of university dorms utilizing AR/VR technology, enhancing the tour experience for prospective students through a React website
- Managed a team of developers, coordinating daily scrum meetings to ensure efficient and integrated product development, and meeting critical deadlines
- Implemented Matterport SDK with Javascript to create a centralized, easy-access dorm tour on a third-party hosted website, improving user accessibility and engagement

### **Undergraduate Cybersecurity Researcher**

**September 2021 - July 2022**

Varian Medical Systems UK

Palo Alto, CA

- Conducted qualitative and quantitative research from primary and secondary sources to support data-driven cybersecurity recommendations for our industry sponsor
- Developed a cyber security internal playbook for the adoption of a Software as a Service (SaaS) business model
- Explored the cloud computing industry regarding cyber security current practices and security standards

## PROJECTS

### **STPR.AI (Hackathon Project)**

- Collaborated with a team of three to design and implement a website utilizing OpenAI API to generate step-by-step instructions for elderly people struggling with technological tasks
- Created the website's frontend using HTML/CSS/JS and the backend with Node.js
- Contributed to the overall project architecture and collaborated closely with the team to ensure timely delivery of the final product

### **Habit Tracker App**

- Built "bit," a habit-tracking app using SwiftUI and Swift that includes features such as habit creation, daily reminders, and a statistics page with charts and streaks
- Designed and developed a user-friendly interface to enable easy tracking and maintenance of daily habits

### **Simple-C Compiler**

- Developed a simple C compiler on Linux, utilizing tools such as Flex and LLVM for lexical, syntax, and semantic analysis, code generation, and optimization
- Tested the compiler extensively to ensure accurate and efficient compilation of various C programs
- Gained experience in programming language design and low-level systems programming on Linux

## SKILLS

- Programming Languages: Python, C, C++, Javascript, Swift, HTML, CSS, React
- Other: Git, Linux, Agile, XCode, Photoshop, Lightroom, Figma, Sketch