COLLIN QIAN

408·624·6881 ⋄ collinqian@ucsb.edu ⋄ linkedin/collinqian

Education

University of California, Santa Barbara **Expected Graduation: 2024**
B.S in Computer Science *GPA: 3.9/4.0*

Honors & Awards: *MLH Code Day Hackathon - 2nd Place, National Cyber League - Top 12%, CodersSB Spring Project Series - 1st Place*

Relevant Coursework: *Network Security, Intro to Computer Forensics, Ethical Hacking, Data Structures and Abstractions, Linear Algebra, Differential Equations, Object Oriented Design and Implementation, Discrete Mathematics, Data Structures and Algorithms, Automata & Formal Languages*

Experience

Intuitive Surgical *Software QA Engineer Intern* **June 2022 – PRESENT**
- Developing a Session Quality Quantitative Metric for Intuitive's Telepresence software that subjectively measures the strength of audio/video components, and implementing and automating it for every call
- Gaining experience in Software Development cycles by working in a model that blends Scrum & Waterfall
- Studying under full-time engineers to acquire a strong understanding of the Da Vinci Xi Surgical System

UCSB Competitive Programming - Goleta, CA *Co-founder* **Nov 2021 – PRESENT**
- Co-founded a programming club on campus to assist engineering students with coding assessments/challenges
- Hosted coding competitions consisting of algorithmic questions for UC students with prizes for winners
- Facilitated team formations to enter teams from UCSB to nationwide competitive programming contests

SB Hacks VIII (Hackathon of UCSB) - Goleta, CA *Coordinator* **Nov 2021 – PRESENT**
- Led a team of six members to redesign and develop the hackathon website, increasing web traffic by 15%
- Drafted social media posts and coordinated cross promotion plans with nearby university STEM programs
- Oversaw the thirty-six hour hackathon ensuring a smooth agenda and acted as a liaison for hacker teams

California Scholarship Federation - Cupertino, CA *Webmaster & Vice President* **Sep 2018 – Jul 2021**
- Updated and maintained club website and logs through exercising skills in web-hosting, SQL, and HTML
- Oversaw the volunteering club's operations and held events for members to form meaningful relationships
- Volunteered an average of 30+ hours a month through all seven active terms, including remote learning

Chicken Meets Rice Restaurant - Cupertino, CA *Website Developer & Crew Member* **Nov 2020 – Aug 2021**
- Redesigned and developed the restaurant website while updating it accordingly to new items and requests
- Advanced my ability to work under pressure through working on weekends and holidays and developed interpersonal skills interacting with many different kinds of customers, often communicating in Mandarin

Technical Projects

Ask3 —— Github Repository

Led a team of 4 to a first place prize of $3500 at UCSB's Spring Blockchain Project Series. We split up the project into three main parts: a back-end of Ruby on Rails, a front-end of ReactJS, and Moralis for our smart contract. Our website allows for users to post questions with cryptocurrency bounties to forum pages, giving reason for others to answer the questions whilst guaranteeing quick and accurate responses

Danger Direction —— Personal Project Plan

A mapping mobile application that combines the TomTom mapping API and the CrimeoMeter Crime Data API to create routes for drivers that try to avoid dangerous roads. A prototype can be seen in my project plan, which also goes into more detail of the coding and the implementation of the application

Skills: C++, C, Python, SQL, HTML, CSS, Java, Javascript, CTF Cybersecurity Challenges, Kali Linux, LaTeX, Git; English, Mandarin, Shanghainese Mandarin.

Interests: Tennis, Basketball, Cooking, Anime, Korean Dramas, Working Out