

Isaac Bi

Email Isaacb836@gmail.com | Phone (626) 278-9578 | [LinkedIn linkedin.com/in/IsaacBi](https://www.linkedin.com/in/IsaacBi) | [Github github.com/isaac-bi](https://github.com/isaac-bi) | [Portfolio site isaac-bi.github.io](https://isaac-bi.github.io)

EDUCATION

University of California San Diego

La Jolla, CA

B.S. Computer Science, GPA: 3.4

Planned June 2022

EXPERIENCE

Software Engineer Internship

Python, C++, Jupyter Notebook

UC San Diego, Jacobs School of Engineering

May 2021 – Present

- Developed **Moneta**, a course software used to visualize hardware memory traces in **Jupyter Notebook**
- Overhauled existing code base by hosting weekly code reviews and implementing better code production standards through style guidelines, **git** branch management, and **docker** containers

Instructional Assistant

UC San Diego, Computer Science and Engineering Department (CSE)

May 2021 – Present

IT Lead Technician

Information Technology Systems, UC San Diego Service Desk

September 2018 – Present

- Coordinate and review hundreds of pages of **documentation** on our internal **Confluence** knowledge base to organize technician workflow resulting in **13000** successfully **resolved tickets** yearly
- Hire and train 15+ new staff on working with **UC San Diego** systems such as Single Sign-On, Multi Factor Authentication, Residential Networking, COVID-19 remote procedures, and Exchange email

Front-end Developer (Chronos Employee Timekeeper)

Bootstrap, JavaScript, HTML, PHP, MySQL

Information Technology Systems, UC San Diego Service Desk

May 2019 – August 2019

- Redesigned **HTML/CSS** in an outdated 10-year-old employee timekeeping website to improve mobile accessibility with increased color contrast, collapsible menus, and intelligent breakpoints using **SkelJS**
- Incorporated a calendar based timekeeping application using **Full Calendar API**

PROJECTS

COVID-19 Risk Factor Test (Project Manager)

Android Studio, Java, XML

UC San Diego IEEE Quarterly Project

October 2020 – December 2020

- Mentored a team of 5 to develop an app that takes user behavior, health, and location information to determine their risk for transmitting COVID-19

Money Management Application (Front-end Team Lead)

Android Studio, Java, XML, Google Firebase

UC San Diego Course Project

April 2020 – June 2020

- Spearheaded the main design of the app making 20 **wireframes** and prototype demos in **Adobe XD**
- Reduced app **loading time** by **67%** through devising a more efficient method of **sending and retrieving** expense information to and from **Google Firebase**

SKILLS

Languages: C, C++, Java, Python, HTML, CSS, PHP, MySQL, JavaScript, Bash, JQuery, XML

Software: Adobe Photoshop, Adobe Illustrator, Adobe XD, Git, Github, Vim, Unix, Android Studio, Google Firebase, ServiceNow, Confluence, Cisco ISE