

# Bao Hoang

San Diego, CA | [hgbao2013@gmail.com](mailto:hgbao2013@gmail.com) | [github.com/bgHoang](https://github.com/bgHoang) | [linkedin.com/bao-hoang-g](https://www.linkedin.com/in/bao-hoang-g) | +1 (619) 538-4950

---

## EDUCATION

**University of California, San Diego, San Diego, CA**

*Master of Science, Computer Engineering*

**GPA:** 3.2 / 4.0

*Jan. 2021 – Jun. 2022*

**University of California, San Diego, San Diego, CA**

*Bachelors of Science, Computer Engineering*

**GPA:** 3.1 / 4.0

*Sept. 2017 – Dec. 2020*

---

## EXPERIENCE

**MedCrypt, San Diego, CA**

*Software Engineer Intern*

*Sept. 2020 – Dec. 2020*

- Updated design and content of [MedCrypt website](#) with HTML CSS and JavaScript.
- Implemented a chatbot with jQuery, increasing user interaction on the website by 10%.
- Utilized Google Analytics and Google Tag Manager to track user's interaction such as clicks and time spent on the site.
- Developed a Python script to automate updating news on the website.
- Created an interactive demo page for company's product with JavaScript.

**Computer Science and Engineering Department, UC San Diego, CA**

*Computer Science Tutor*

*Jan. 2020 – Dec. 2020*

- Tutored CSE 8A (Intro to Programming-Python), CSE 8B (Intro to Programming-Java) and CSE 135 (Online Database Analytic Application).
- Held weekly lab hours to assist more than 20 students debug their code and explain class material.
- Proctored exams and graded more than 30 assignments per quarter.

**Electrical and Computer Engineering Department, UC San Diego, CA**

*Student Developer*

*Jun. 2020 – Sept. 2020*

- Authored an MQTT IoT interface library for RC car communication, allowing students to quickly install on car software.
- Integrated a many-to-many relationship with SQL database to connect cars with channels that they can communicate on.

**ECE Undergraduate Student Council, UC San Diego, CA**

*Treasurer*

*Jun. 2019 – Jun. 2020*

- Maintained landing page with React, and improved user experience by reworking the navigation bar.
  - Created a mentorship page to match students with upperclassmen, helping freshman accelerate their learning.
  - Developed a budget tracking app with React, NodeJS and MongoDB to automate bookkeeping, saving council hundreds of forgotten reimbursement.
- 

## PROJECTS

**SucSeed**

**HackRice 2020**

- Created a Chrome extension that presents cheaper alternatives to Amazon products with React Hook.
- Used Bill.com API to create a secure money transaction system.
- Won the Finance Track in HackRice 2020.

**LibWalk**

**Class Project**

- Designed a React web app that allows students to find all the clubs and organizations at UCSD.
- Improved the web app design with Material-UI library.
- Implemented real time data storage with Firebase Cloud functions, allowing the app to update user's profiles.

**Facebook Messenger Bot**

**Personal Project**

- Programmed a Facebook messenger bot that updates the results of soccer matches using Facebook API.
  - Web scrapped the data with Python library from a website to attain the result from each match.
  - Deployed the bot with Flask framework, allowing users to test the chat bot on a Facebook Page.
- 

## SKILLS

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

**Tools & Technologies:** Git, GitHub, Linux, Unix, React, Firebase, NodeJS, Express, MongoDB, MySQL, Jupyter Notebook