

# HUAN MAI

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<https://huanlm.github.io/portfolio>

## SKILLS

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- **Language:** Java, JavaScript, Python, C/C++
- **Technology:** React, Angular, NodeJS, Express, HTML, CSS, Git, MongoDB, Microservice API, SQL, MongoDB, Firebase, Docker, AWS, Java Spring Boot
- **Additional:** VSCode, Eclipse, Android Studio

## EXPERIENCE

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Junior Software Engineer

San Diego, CA

Labcorp

Aug. 2020 - Current

- **Develop software** for clinical trials using SnapClinical infrastructure
- Maintain SnapClinical's **frontend** and **backend** using **Angular** | **JavaScript** | **Java Spring** | **MySQL**
- Maintain and debug mobile applications using **Java** and **Swift**
- Design custom reusable **Groovy scripts** that meet project specifications

## EDUCATION

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University of California San Diego (UCSD)

La Jolla, CA

*Bachelor of Science in Mathematics (Applied) | Minor in Computer Science*

Sep 2016 – Jun 2020

- **GPA:** 3.22 / 4.00
- **Related Courses:** Software Engineering, Design and Analysis of Algorithms, Advance Data Structures, Theory of Computability, Data Structures and Object-Oriented Design, Object Oriented Programming,...

## PROJECTS AND CERTIFICATES

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**Full Stack Hotels Reservation Clone** [MongoDB](#) | [Express](#) | [React](#) | [Node](#)

- A Full Stack application inspired by Hotels.com and Booking.com
- Back-end API is implemented using MVC model with full CRUD operation allowing admin and user to access and modify hotels' data

**FreeCodeCamp FrontEnd and BackEnd Certificates/Projects**

- Extensive course teaching highly desired skills in full stack web development with technologies like React, Bootstrap, MongoDB, Node and Microservice API.
- Projects: Timestamp Microservice, URL Shortener Microservice, Exercise Tracker API, File Metadata Microservice, Quote Machine, Markdown Previewer, Drum Machine, JS Calculator, 25 + 5 Clock.

**Full Stack ASAP (Auto Schedule Assist Program)** [Python](#) | [JavaScript](#) | [HTML](#) | [MySQL](#)

- A 10-member team made program that helps students find different combinations of schedule based on the chosen classes. The program uses a mix of greedy and brute force algorithms to find the most optimized schedule based on GPA, Professor Ratings, Break gaps and Required courses; implemented using MVC model
- Oversaw all documents: User Cases, User Story, Database Schema, Test Cases, Story Acceptance Tests...
- Acted as a Quality Assurance Lead and a backend team member

**Monster Hunter - Java** coded game using basic principles of OOP like inheritance, polymorphism, and abstraction.