

Alejandro Malanche

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EDUCATION

2018- June 2022

University of California San Diego Alumni

B.S. Computer Engineering

WORK EXPERIENCE

August 2021 – PRESENT

Student Infrastructure Assistant, UCSD Health Sciences, San Diego, CA (REMOTE)

- Utilized ServiceNow platform to aid in everyday tasks such as adding people to listservs and updating people's information
- Aided in redesigning the company's website using the school's Content Management System

June 2021 – August 2021

Software Quality Assurance Engineer Intern, ICON, San Diego, CA (REMOTE)

- Utilized the Selenide framework in Java to create automated tests to ensure the UI quality of ICON's Mobile Health Platform functions as desired
- Used Agile concepts such as daily scrums, scrum boards and Jira tickets to collaborate with the rest of the team on a day-to-day basis
- Collaborated with the Software Engineers to discuss their design choices and see why they were necessary to the functionality of the application as it impacted the testing suite

June 2020 – August 2020

Online Instructor, ID Tech Camps, Campbell, CA

- Hosted an online environment where I would teach five students of varying ages the fundamentals of programming using languages such as Java, C++, and Scratch
- Supported other instructors in conducting their lessons using breakout rooms
- Received great reviews from the parents and the organizers of the program

PROJECTS

Pomodoro Web App

- Collaborated with seven other students utilizing Agile methodologies throughout our Software Development Life Cycle
- Utilized vanilla JS, HTML, CSS to create the UI and code the logic of the application
- Created a working CI/CD pipeline

Dropbox Clone

- Utilized Golang to create a Dropbox command line application with functionalities such as uploading, deleting, and version control to gain a better understanding of how cloud services work
- Created a client-side service that interacted with the server, hosted by AWS, via Remote Procedure Calls

Journaling App (In Progress)

- Utilized vanilla JavaScript, HTML, and CSS to create frontend that allows the user to login, register, and eventually allow the user to create Journal Entries
- Developed the backend by using the Flask framework for Python and SQLite3 for the database
- Goal is to be able to make an application for people who struggle with mental health to have a place to journal daily

SKILLS

Programming/Scripting Languages: Java, JavaScript, Golang, Python, HTML/CSS

Operating Systems: MacOS, Linux

