
Skills

- **Languages:** Java, Python, C, C++, JavaScript, SQL.
 - **Software/Tools/OS/DataBase:** Git, Unix, Confluence, Jira, BitBucket, Node.js, Windows, Linux, Mac, Selenium, Robot, Qt, MongoDB.
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Education

University of California, San Diego | Computer Science B.S.

2019 - July 2021

- **Relevant Coursework:** Java programming, Data Structures and Object-Oriented Design, Mathematics for Algorithms and Systems, Software Engineering, Operating System, Machine Learning, Statistic, Network Security.
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Experiences

Software Engineer Intern | MemComputing, Inc.

June 2020 - September 2020

- Wrote automated test scripts for their frontend using Selenium and Python.
 - Wrote test scripts for their API using Python and Robot framework.
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Projects and Labs

Personal Website | HTML / CSS

September 2021

- I wanted to create a personal website so I taught myself HTML and CSS!
- Styling and formatting are done with basic CSS formatting such as flex-box.
- Webpage consists of Home, About, Resume, and Contacts endpoints with hyperlinks.

Cooking With Crumbs | JavaScript / NodeJS / MongoDB

September 2020 - December 2020

- Assisted with the setup of the database using JavaScript.
- Created an endpoint for a User to update their preferences.
- Created an endpoint that allowed users to search for recipes depending on their inventory.
- Participated in weekly meetings and discussions about upcoming implementation.

Price Bot Tracker | Python / Selenium / Qt for Python

June 2019 - September 2019

- Implemented the user's interface with Qt for Python.
- Implemented the backend code for the user's interface in Python.
- Improved social dynamics by engaging everyone and their ideas to make sure everyone was heard.

Calculator | Java

January 2020

- Basic calculator that performs addition, subtractions, multiplication, division, exponentiation, and factorial.
- Converted inputs to "postfix" notation in order to perform calculations.
- Utilize the stack data structure to follow proper arithmetic calculation.

Password Cracker | C

May 2021

- Wrote a program that exploited a password checker algorithm.
- Utilized protected memory in order to validate each character in the password.
- Worked with a partner in designing the algorithm before implementing it.

Buffer Overflow Attacks | C

May 2021

- Exploited programs that were vulnerable to Buffer Overflow Attacks
- Used GDB to debug and design attacks
- Worked with a partner in designing and discussing ideas before implementing.