

## Education:

**University of California, San Diego** | B.S. Computer Science 2017-2021, Cumulative GPA: 3.3

- **Relevant Coursework** | Advanced Data Structures, Database Systems Principles, Computer Organization and Systems Programming, Data Structures and Algorithms, Theory of Computability, Mathematics for Algorithms and Systems, Software Tools and Techniques, Statistical Methods
- **First Generation College Student**

## Experience:

*November 2018 – October 2019*

**Triton Software Engineering** | Software Developer, <https://github.com/TritonSE/live-weller>

- Developed market evaluation tool using HTML/CSS/Javascript/JQuery/NodeJS/Express
- Created an authentication system for administrators using NodeJS and Express
- Engineered and tested algorithm for market evaluations
- Implemented dynamic front end using JQuery
- Became familiarized with client side/server-side app implementation and practices

*November 2019 – Present*

**Triton Software Engineering** | Project Manager, <https://github.com/TritonSE/dynamics-website>

- Leading a team of 5 first year developers in developing a website for a dance organization.
- Ensuring the success of the website in a timely manner while providing a challenging, friendly, and engaging environment for my team that simulates a software development experience
- Developing project as a React application in order to allow developers to gain experience with the popular library
- More responsibilities include task management, code reviews, aiding with implementation details and software development practices like using GitHub, facilitating weekly meetings where the team can discuss about the project, reporting to executive board every week about the team's progress

## Projects:

**TwoNote** | <https://github.com/jayrc7/Project-TwoNote>

- Created notebook application using Python, Native GTK API, Libraries, and Toolkits
- Developed algorithms in order to create, rename, edit, and delete notebooks/notes using knowledge learned from data structures course
- Developed frontend using PyGTK API, from the most notable sidebar menu that facilitates the client's note taking experience to the popups that deal with its designated purpose e.g. creating a notebook

**Safeguard** | LA Hacks 2019 Top 5 Overall Hack, <https://github.com/jayrc7/safeguard>

- Inspired the idea for a Community Safety App, beating out a number of submissions to Top 5 Overall Hack
- Developed portions of Front End using React with Semantic UI
- Dealt with Backend Firebase integration to push/pull data
- Configured a server to receive texts and reply with the nearest safehouse while also alerting client's location to all community members

**Personal Website** | <https://github.com/jayrc7/personal-website>

- Created a personal website in React and Semantic UI, hosted on Github Pages.
- Wrote custom components in React for dynamic filtering of projects by tags
- Configured the website to pull all of its content from two json files in order to allow for easy insertion/deletion of content while making use of React's rendering capabilities

## Activities:

**Student Leader** | Triton Navigators, *Fall 2018 – Fall 2019*, Triton Software Engineering *Fall 2019 – Current*

**Hackathoner** | Citrus Hacks '18, Battlehack West '18, SD Hacks '18, LA Hacks '19

## Languages/Tools:

**Skilled** | C++, C, Java, Python, JUnit, JavaScript/JQuery, Firebase, Git/Github, HTML/CSS, Unix/Bash

**Familiar** | ReactJS, NodeJS, Express, SQL

**Learning** | NodeJS, SQL