

## BRANDON LAVINSKY

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### EDUCATION

**Chapman University, Orange, CA**

August 2015-May 2019

Bachelors of Science in **Software Engineering**, Minor in **Analytics**

**Relevant Coursework:** Java, Python, Data Structures and Algorithms in C++, Software Design, Software Requirements and Testing, Software Development Lifecycle, Visual Programming, Software Process and Management, Software Qualification and Delivery, Database Management, Artificial Intelligence, Operating systems, Human Computer Interaction. Android Dev Honors

Chancellors Scholarship Recipient

August 2015- May 2019

Chancellors (Provost) List (3.6 GPA or higher) Fall 2015, Spring 2016, Spring 2017, Fall 2017, Spring 2018/19, Fall 2018

National Society of Collegiate Scholars

Life Member

**GPA: 3.85/4.0 Magna Cum Laude**

### SKILLS

**Technical:** Python, C++, Java, HTML, CSS, SCSS JavaScript, REST, C#, React, Angular, Node.js, Express, Android, Microsoft Office, Haskell, MySQL/SQL, JDBC, Git/Version Control, .NET, UML, R, NPM, SQLite, XML, JSON, Anaconda, Linux, Windows, Docker, Marvel, Unix, MongoDB, AWS, prototyping, Agile Software Development

**Languages:** English (native), Spanish (oral and written proficiency)

### WORK EXPERIENCE

**Northrop Grumman Mission Systems, Redondo Beach, CA**

June 2019-Present

**Software Engineer (DOD Secret Clearance)**

- Developing, modifying, and testing hardware interfacing software to allow for system emulation using C and C++
- Enhancing and thoroughly testing existing system software to create a more developed product
- Working with colleagues to discover, investigate, and solve new or existing problems in the system software to create an error limited product

**Northrop Grumman Mission Systems, Redondo Beach, CA**

May 2017/18- August 2017/18

**Software Engineer Technical Intern**

- Effectively integrated existing unit tests into the current testing methodology
- Developed advanced coding algorithms in order to test critical functionality of the system software
- Manipulated parsed data tables generated by the existing application and modified them to enhance readability
- Integrated incompatible software systems to solve cross-system communication issues utilizing Java
- Modernized pre-existing software systems in order to provide users with an enhanced interface
- Developed visual analytics to portray comprehensive data to users for analysis through the application of JavaScript
- Developed a web-based training environment for a planning and forecast tool utilizing HTML, JavaScript, and CSS

### PROJECT EXPERIENCE

**Campaignify**

(GitHub: [https://github.com/ChapmanCPSC/SE-498\\_01](https://github.com/ChapmanCPSC/SE-498_01))

*Developed a Voter Canvassing web based application for the Mayor of Costa Mesa to aid in small to large scale campaigns*

- Front End Lead; utilized reactjs, axios, apollo and other front-end libraries to interface with our Ruby backend

**Full MySQL and Java Application**

(GitHub: <https://github.com/lavin105/HousingDatabase>)

*Created a housing helper cli system to help display houses for sale/ rent along with real estate agents to help users identify properties they may be interested in*

- Used MySQL as the back end database and JDBC Java as the front end

**React Blog with Api**

(GitHub link: <https://github.com/lavin105/React-Blog-Api>)

*Created a React blog application that fetches data from an api created using node, express and mysql*

**Software Qualification and Delivery**

(GitHub link: <https://github.com/lavin105/Web-App>)

*Created a high fidelity prototype of a gaming interface for the Chapman School of Pharmacy*

- Utilized HTML, JavaScript, CSS, as well as Firebase

**Android Recipe Management App**

(GitHub link: <https://github.com/lavin105/RecipeManagementApp>)

*An Android application to eliminate the need for paper recipes*