

## EDUCATION

<b>Chapman University, Orange, CA</b> Bachelors of Science in <b>Software Engineering</b> , Minor in <b>Analytics</b>	August 2015-May 2019
<b>Relevant Coursework:</b> 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	
<b>Honors</b> 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
<b>GPA: 3.85/4.0 Magna Cum Laude</b>	

## SKILLS

<b>Technical:</b> 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
<b>Languages:</b> English (native), Spanish (oral and written proficiency)

## WORK EXPERIENCE

<b>Northrop Grumman Mission Systems, Redondo Beach, CA</b> <b>Software Engineer (DOD Secret Clearance)</b>	June 2019-Present
<ul style="list-style-type: none"><li>Developing, modifying, and testing hardware interfacing software to allow for system emulation using C and C++</li><li>Enhancing and thoroughly testing existing system software to create a more developed product</li><li>Working with colleagues to discover, investigate, and solve new or existing problems in the system software to create an error limited product</li></ul>	
<b>Northrop Grumman Mission Systems, Redondo Beach, CA</b> <b>Software Engineer Technical Intern</b>	May 2017/18- August 2017/18
<ul style="list-style-type: none"><li>Effectively integrated existing unit tests into the current testing methodology</li><li>Developed advanced coding algorithms in order to test critical functionality of the system software</li><li>Manipulated parsed data tables generated by the existing application and modified them to enhance readability</li><li>Integrated incompatible software systems to solve cross-system communication issues utilizing Java</li><li>Modernized pre-existing software systems in order to provide users with an enhanced interface</li><li>Developed visual analytics to portray comprehensive data to users for analysis through the application of JavaScript</li><li>Developed a web-based training environment for a planning and forecast tool utilizing HTML, JavaScript, and CSS</li></ul>	

## PROJECT EXPERIENCE

<b>Campaignify</b> <i>Developed a Voter Canvassing web based application for the Mayor of Costa Mesa to aid in small to large scale campaigns</i>	(GitHub: <a href="https://github.com/ChapmanCPSC/SE-498_01">https://github.com/ChapmanCPSC/SE-498_01</a> )
<ul style="list-style-type: none"><li>Front End Lead; utilized reactjs, axios, apollo and other front-end libraries to interface with our Ruby backend</li></ul>	
<b>Full MySQL and Java Application</b> <i>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</i>	(GitHub link: <a href="https://github.com/lavin105/HousingDatabase">https://github.com/lavin105/HousingDatabase</a> )
<ul style="list-style-type: none"><li>Used MySQL as the back end database and JDBC Java as the front end</li></ul>	
<b>React Blog with Api</b> <i>Created a React blog application that fetches data from an api created using node, express and mysql</i>	(GitHub link: <a href="https://github.com/lavin105/React-Blog-Api">https://github.com/lavin105/React-Blog-Api</a> )
<b>Software Qualification and Delivery</b> <i>Created a high fidelity prototype of a gaming interface for the Chapman School of Pharmacy</i>	(GitHub link: <a href="https://github.com/lavin105/Web-App">https://github.com/lavin105/Web-App</a> )
<ul style="list-style-type: none"><li>Utilized HTML, JavaScript, CSS, as well as Firebase</li></ul>	
<b>Android Recipe Management App</b> <i>An Android application to eliminate the need for paper recipes</i>	(GitHub link: <a href="https://github.com/lavin105/RecipeManagementApp">https://github.com/lavin105/RecipeManagementApp</a> )