

# Jacob William

## Software Engineering Intern

I'm a Full Stack Software Engineer specialized in React, NodeJS, Python, C#, and many other languages and frameworks. I also specialize in developing secure and optimized applications using the proper algorithms and software engineering practices. I believe that languages and frameworks are just tools and what matters is who's using them.

### Experience

2018-11 - present	<b>Software Engineering Intern</b> <i>Aclara Technologies, LLC</i> <ul style="list-style-type: none"><li>Developing manufacturing software in C# with real-time analytics, employees management, and fetching data from multiple databases and 3rd party APIs</li><li>MVC design that includes database models, controllers, and views</li><li>Implemented using complex data structures such as binary search trees to handle the large data fetched from data base and API</li></ul>
2018-05 - 2018-07	<b>Software Engineering Intern</b> <i>Open Learning Exchange, Inc</i> <ul style="list-style-type: none"><li>Worked on Android and Angular projects</li><li>Implemented UI for varies of views and backend logic</li><li>Anticipated in code reviews, pull requests, and bugs on GitHub</li></ul>

### Education

2017-03 - 2020-04	<b>Southern New Hampshire University, BA in Computer Science</b> <ul style="list-style-type: none"><li>Taken CS core courses such as: Data Structures and Algorithms course, Advance Database courses, Operation Systems course, OOP course, and varies Intro to programming courses in different languages.</li><li>GPA 3.6</li></ul>
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### Projects

<b>Cell Productivity</b> <i>(Internship Project)</i> <ul style="list-style-type: none"><li>Developed using C# and Microsoft SQL 2017</li><li>Features real-time analytics, order management and tracking features</li><li>Incorporated in-app messaging system using MongoDB and web sockets</li><li>Handles massive data that are featured from a Workday API</li></ul>
<b>Cool It!</b> <i><a href="https://github.com/onlyserenity/cool-it">https://github.com/onlyserenity/cool-it</a></i> <ul style="list-style-type: none"><li>Developed cross-platform, real-time application using React, Redux, Electron, and Firebase that allows users to chat and create their own groups.</li><li>Incorporated a storage system with caching capabilities to store loaded media and make the application perform faster.</li></ul>
<b>Authenticator-ExpressJs</b> <i><a href="https://github.com/onlyserenity/authenticator-expressjs">https://github.com/onlyserenity/authenticator-expressjs</a></i> <ul style="list-style-type: none"><li>Developed using Nodejs and Expressjs that always a quick plug-and-config to users who wish to implement authentication system and secure RESTful API to their front end applications</li><li>Implemented bcrypt to encrypt sensitive user's data before saving on the database</li><li>Used MongoDB with schemas to design the users model</li></ul>
<b>Real World Algorithms</b> <i><a href="https://github.com/onlyserenity/CS260_DATA_STRUCTURES">https://github.com/onlyserenity/CS260_DATA_STRUCTURES</a></i> <ul style="list-style-type: none"><li>Used C++ to implement concepts learned during my 2nd year in college and implemented a real-world project that reads data from large excel sheets</li><li>It features CRUD operations as well as search functionality.</li><li>Different part of the application demonstrates the performance difference in using Binary Trees, Sorting algorithms and Vectors, Linked-lists and other data structures</li></ul>

### Personal Info

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<b>Portfolio</b> <a href="https://jacobwi.io">https://jacobwi.io</a>
<b>LinkedIn</b> <a href="https://www.linkedin.com/in/amjedcha">https://www.linkedin.com/in/amjedcha</a>

### Software

React	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
NodeJS (ES5, ES6)	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
LESS, CSS, SCSS (including @emotions and @styled-components)	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
C#	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Very Advance</div>
Python	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Advance</div>
Redux	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Semi-Advance</div>
Android in Java	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Semi-Advanced</div>
Swift	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>
GatsbyJS with GraphQL	<div><div></div><div></div><div></div><div></div><div></div></div> <div>Intermediate</div>