

Jacob William

Software Engineering Intern

I'm a Full Stack Software Engineer specialized in React, NodeJS, 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 when to use one over the other.

Experience

- 2018-11 - present

Software Engineering Intern

Aclara Technologies, LLC

 - Developing manufacturing software in C# with real-time analytics, employees management, and fetching data from multiple databases and 3rd party APIs
 - MVC design that includes database models, controllers, and views
 - Dockerization of the backend services
 - Implemented using complex data structures such as binary search trees to handle the large data fetched from data base and API
- 2018-05 - 2018-07

Software Engineering Intern

Open Learning Exchange, Inc

 - Worked on Android and Angular projects
 - Implemented UI for varies of views and backend logic
 - Anticipated in code reviews, pull requests, and bugs on GitHub

Education

- 2017-03 - 2020-04

Southern New Hampshire University, BA in Computer Science

 - 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.
 - GPA 3.6

Projects

- Cell Productivity

(Internship Project)

 - Developed using C#, .NET Core, and Microsoft SQL 2017
 - Features real-time analytics, order management and tracking features
 - Incorporated in-app messaging system using MongoDB and web sockets
 - Handles massive data that are featured from a Workday API
- Cool It!

<https://github.com/onlyserenity/cool-it>

 - Developed cross-platform, real-time application using React, Redux, and Electron that allows users to chat and create their own groups.
 - Incorporated a storage system with caching capabilities to store loaded media and make the application perform faster.
 - The application has two versions; Firebase backend and Expressjs and MongoDB backend (<https://github.com/onlyserenity/cool-it-realtime-mongodb>).
- Authenticator-ExpressJs

<https://github.com/onlyserenity/authenticator-expressjs>

 - 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
 - Implemented bcrypt to encrypt sensitive user's data before saving on the database
 - Used MongoDB with schemas to design the users model
- Real World Algorithms

https://github.com/onlyserenity/CS260_DATA_STRUCTURES

 - 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
 - It features CRUD operations as well as search functionality.
 - Different part of the application demonstrates the performance difference in using Binary Trees, Sorting algorithms and Vectors, Linked-lists and other data structures

Personal Info

- Address

New Hampshire

Phone

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E-mail

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GitHub

<https://github.com/onlyserenity>

Portfolio

<https://jacobwi.io>

LinkedIn

<https://www.linkedin.com/in/amjedcha>
- ### Software
- React

Very Advance

Redux

Advance

LESS, CSS, SCSS (including @emotions and @styled-components)

Very Advance

C# including .NET Core

Very Advance

NodeJS (ES5, ES6)

Very Advance

Android in Java

Semi-Advance

Docker

Intermediate

GatsbyJS with GraphQL

Intermediate

Python

Machine Learning skills