

CHRISTIAN MITTON

Location: Greater New York Area

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EDUCATION

New Brunswick, NJ

Rutgers University

May 2020

- B.A. in Computer Science
- Relevant Coursework: Data Structures, Systems Programming, Computer Architecture, Operating Systems

EMPLOYMENT

Software Engineer, Intern

Optum - UnitedHealth Group Inc.

June 2019 - Aug 2019

- Developed Medication Adherence software and website in 2 months with a team of 4, using Agile development and Amazon Alexa. Resulted in fully functional software that is in beta and being prepared for launch. (Programming languages used: **JavaScript, Node.js, React, MongoDB**)
- Implemented/learned JavaScript, Node.js, React, MongoDB, Cucumber, Postman and Alexa over the course of 2 months.
- Connected front-end and back-end of Alexa skill/website to database using a REST API.
- Re-designed push notifications format and first person in company to learn how to implement notifications for Alexa. Wrote 12 pages of documentation, which was sent to/used by different full-time teams throughout the country.

PERSONAL PROJECTS

- **Pathfinding Visualizer (2020)**: Built application for visualizing pathfinding algorithms. Implemented A*, Dijkstra's, BFS and DFS. Currently implementing maze generation algorithm. (Programming Languages used: **JavaScript, React**)
- **Sorting Algorithm Visualizer (2020)**: Built application for visualizing sorting algorithms. Implemented Insertion sort, Selection sort, Bubble sort and Heap sort. (Programming Languages used: **JavaScript, React**)
- **Programming Language and Interpreter (2020)**: Built a small programming language designed to closely reflect the English language. Also built interpreter, and implemented variable declaration, function calling, conditional statements, loops and expression evaluation. (Programming Languages used: **Python**)
- **Quote Journal (2018)**: Created/launched mobile application with over 1000 downloads worldwide. (Programming Language used: **Swift**)

LANGUAGES

- Java, C, Python, HTML, CSS, JavaScript, Node.js, React, C#, Swift, MongoDB, SQL