

Michael Alberda

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Education

B.S. COMPUTER SCIENCE | MAY 2023 | BOISE STATE UNIVERSITY

B.S. MATHEMATICS - COMPUTATION OPTION | MAY 2021 | UNIVERSITY OF IDAHO

Experience

SOFTWARE ENGINEER - INTERN | TOVUTI LMS | JUNE 2022 - ONGOING

- Work together with other developers and engineers to design, construct, and implement fixes and new features in a Learning Management System. Use a variety of tools and languages including PHP, MySQL, JavaScript, and HTML to deliver a good product to our customers and meet their needs.

SOFTWARE INTERN | TAP NETWORK LLC | JANUARY 2022 - MAY 2022

- Collaborate with developers and other interns to create documentation for existing codebase. Regularly meet with CEO to determine future of app to meet client demand.

HEAD LIFEGUARD | TREASURE VALLEY YMCA | JUNE 2016 - SEPTEMBER 2017

- Cooperate with other lifeguards and staff to maintain a clean and safe place of business, and engage with patrons to encourage a happy and healthy YMCA.

Skills & Abilities

PROFICIENT PROGRAMMING LANGUAGES

- PHP, JavaScript, HTML, C, C++, Java

RELEVANT SKILLS

- Scrum and Agile Development, Git, Linux, SQL

FAMILIAR PROGRAMMING SKILLS

- TypeScript, Python, Unity

Projects

- Reduction of States in a Finite Automaton - C - <https://github.com/malberda/cs385finalproject>
 - An adaptable demonstration of the concept of reducing states in a finite automaton.
- Optimal Binary Search Tree - JavaScript - <https://github.com/malberda/project-395>
 - A web page demonstrating the creation and maintenance of an optimal binary search tree
- Data Structures Bioinformatics - Java - <https://github.com/malberda/BTree-BIOINFORMATICS>
 - A B-Tree that stores and performs operations on a series of excerpts on the human genome. this project implements a cache in order to speed up processing while searching the genome for frequencies of specific substrings