Michael Alberda

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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. Work with a variety of tools including PHP, MySQL, JavaScript, and HTML to deliver a good product to the customers and meet their needs.

-SOFTWARE PROGRAMMER | TAP NETWORK | JANUARY 2022 – MAY 2022

- Collaborate with senior programmer and founder to create and expand services on existing app using a variety of tools such as ionic, angular, and firebase.

-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.

Education

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

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

Skills & Abilities

-PROFICIENT PROGRAMMING LANGUAGES

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

-RELEVANT SKILLS

- Scrum and Agile Development, Git

-FAMILIAR PROGRAMMING SKILLS

- TypeScript, HTML, Python, Unity, C#

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