

Michael Alberda malberda15@gmail.com | 2087612179 | Boise, ID | <https://github.com/malberda>

Education

Boise State University
BS Computer Science

Boise, ID
August 2021 | May 2023

University of Idaho
BS Mathematics - Computation Option, GPA: 3.5

Moscow, ID
September 2017 | May 2021

Experience

Tap Network LLC Boise, ID *Software Intern* *January 2022 | Ongoing*

- Collaborate with developers and other interns to create documentation for existing codebase

Dr. Neuhaus Moscow, ID *Grader* *September 2019 | September 2020*

- Cleanly and correctly grade all homework and deliver on time to the professor

Treasure Valley YMCA Boise, ID *Head Lifeguard* *June 2016 | September 2017*

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

Skills

Proficient Programming Languages: C, C++, Java, Linux Shell

Familiar Programming Languages: TypeScript, JavaScript, HTML, Python, Unity

Other Relevant Skills: Scrum and Agile Development, Git Workflow

Projects

Reduction of States in a Finite Automaton C <https://github.com/malberda/cs385finalproject>
Created an adaptable demonstration of the concept of reducing states in a finite automaton.

Optimal Binary Search Tree JavaScript <https://github.com/malberda/project-395>
Created a simple visual demonstration of an optimal binary search trees creation and maintenance

CPU Scheduling Simulation Java <https://github.com/malberda/CPUSchedulingEmulator>
Emulated a simple CPU and its scheduling of processes using Java and a cache system

School Database Manipulation SQL <https://github.com/malberda/BSU-HU-CS-310-Final-Project>
Create a database and manipulate data from it in order to simulate a schools database.

Data Structures Bioinformatics Java <https://github.com/malberda/BTree-BIOINFORMATICS>
Create a B-Tree that stores and performs operations on a series of excerpts of the human genome. Implement a cache in order to speed up processing while searching the genome for frequencies of specific substrings.