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

Education

University of Idaho   Moscow, ID
BS Mathematics - Computation Option, GPA: 3.5   *September 2017 | May 2021*

Boise State University   Boise, ID
BS Computer Science   *August 2021 | Ongoing*

Work

Tap Network LLC   Boise, ID   *Software Intern*   *January 2022 | Ongoing*
  – Work with developers and other interns to create documentation for existing codebase

YMCA   Boise, ID   *Head Lifeguard*   *June 2016 | September 2017*
  – Work with other lifeguards to maintain a clean and safe place of business and engage with patrons to secure a happy YMCA

Dr. Neuhaus   Moscow, ID   *Grader*   *September 2019 | September 2020*
  – Cleanly and correctly grade all homework and deliver it on time to the professor

Skills

Proficient Programming Languages: C, C++, Java, Linux Shell
Familiar Programming Languages: JavaScript, HTML, Python, Unity
Other Relevant Skills: Scrum and Agile Development, Git

Projects

Reduction of States in a Finite Automaton C   *https://github.com/malberda/cs385finalproject*
Demonstration of the concept of reducing states in a finite automata

Optimal Binary Search Tree JavaScript   *https://github.com/malberda/project-395*
A simple visual demonstration of an optimal binary search trees creation and expansion

CPU Scheduling Simulation Java   *https://github.com/malberda/CPUSchedulingEmulator*
Emulates a simple CPU and its scheduling of processes

School Database Manipulation SQL   *https://github.com/malberda/BSU-HU-CS-310-Final-Project*
Manipulate data from a simple database in order to display skills learned

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.