

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

Education

University of Idaho

BS Mathematics - Computation Option, GPA: 3.5

Moscow, ID

September 2017 | May 2021

Boise State University

BS Computer Science

Boise, ID

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

Proicient Programming Languages C, C++, Java, Linux Shell

Familiar Programming Languages Javascript, HTML, Python, Unity

Other Relevent Skills Scrum and Agile Development, Git

Projects

Reduction of States in a Finite Automata 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, and search the genome for frequencies of specific substrings.