

Caleb Seely

calebseely@gmail.com | <https://www.linkedin.com/in/caleb-seely/> | 220 Baker ST, Moscow, ID 83843

EDUCATION

Bachelor of Science in Computer Science | University of Idaho

Expected May 2021

Minor: Mathematics

Compiler Design

Created a basic C compiler using flex & bison, trees, semantic analysis, and code generation

Database Systems

SQL & Relational Algebra. MySQL & phpMyAdmin and developed a class database system

Information Assurance

Computer Security & survivability. Cryptography, network security and high assurance security

System Analysis

Gant & pert charts, RFP, DFDs, Cost / Benefit analysis, project management, process specification

Mathematics

Calculus 1 & 2, Discrete Math, Theory of Computation, Linear Algebra, Statistics, Cryptography

PROJECT EXPERIENCE

Smart Trip Planning

August 2020 – May 2021

- Connecting your car to your phone to locate the most economical gas stations for your trip

Mini C Compiler

January 2020 – May 2020

- Developed a compiler from parsing -> tree generation -> syntax analysis -> code generation

Class Scheduling Database

April 2020

- Constructed a database to track classes of a user and suggest future classes based on a career

Maze Path Solving

September 2018

- C++ solution to find if a provided maze text file is solvable, using breadth first search

TECHNICAL SKILLS

- | | | |
|--|------------------|----------------|
| • Adept in C and C++ | • GitHub | • Flex / Bison |
| • Familiar with C# and JavaScript | • Unity | • OpenCV |
| • HTML, CSS, and PHP knowledge | • Visual Studios | • MySQL |
| • Comfortable with Linux / Unix environments | • Discord | • Slack |

PROFESSIONAL EXPERIENCE

Lifeguard | Portland Parks and Recreation

2015 - 2019

- Management, CPR & first aid certified, training, customer service and audits

Division 1 Athlete | University of Idaho Track & Cross Country

2017 - 2020

- 20+ hours a week of practice plus competition and travel on weekends. Meetings and recruiting

Volunteer Work

2017 - 2020

- Paint the Palouse, Moscow canned food drive, Trick or Treat the Dome, Moscow Charter School

ACADEMIC HONORS

Big Sky All-Academic Award

2018

College of Engineering Dean's List

2018