Caleb Seely

503-828-2170 | calebseely@gmail.com | www.calebseely.com | github.com/Caleb-Seely | linkedin.com/in/Caleb-Seely

Education

Computer Science Bachelor of Science | Mathematics Minor *Moscow, ID*
University of Idaho *August 2017 - May 2021*

- Big Sky Academic Honors, College of Engineering Deans List
- Calculus 1 & 2, Discrete Math, Theory of Computation, Linear Algebra, Statistics, History of Mathematics.

Work Experience

CSDev *Portland, OR*
Web Development | React, CommerceJS *Sept 2022 - Dec 2022*

- Spearheaded the development of an e-commerce site for a client, capable of efficiently managing thousands of users.
- Optimized React elements resulting in a 90% reduction in API calls and improved page load times.
- Successfully delivered the project, meeting initial requirements for the client 6 weeks ahead of schedule.

Projects

CalebSeely.com | JavaScript, Bootstrap 4, HTML, CSS *Portland, OR*
Personal *Oct 2020 - Present*

- Created a personal website using HTML, CSS, and JavaScript to showcase projects, implement ideas, and learn new skills.
- Implemented a JavaScript feature to rotate through unlimited projects, eliminating an original design limitation
- Fabricated new features for fun and practice, including building 4 additional features since deploying the initial site.
- Developed a database and authentication system using Google Firebase for private note-keeping.
- Integrated a GET request to AWS Lambda containing a user's song input.

C Compiler | C, Make, Flex, Bison *Moscow,ID*
University of Idaho *Jan 2020 - May 2020*

- Designed and implemented a compiler for a custom virtual machine using 90% of C grammar rules.
- Produced an abstract syntax tree to facilitate visualization of grammar relationships and support 30+ error and warning checks.
- Generated precise machine code for roughly 80% of test cases.

Senior Capstone | Java, Google Maps API *Moscow,ID*
University of Idaho *Aug 2021 - May 2022*

- Spearheaded a 4-member research project to integrate a car's OBDII data with Google Maps on a mobile app for our client.
- Utilized the Android OBD-II Reader library to gather and test 10 critical OBDII mobile data points.
- Established a 1-1 intake manifold correlation with fuel consumption, resolving a critical issue for the client.

Spotify Playlist | AWS Lambda, API Gateway, Spotify API *Portland, OR*
Personal *May 2022 - June 2022*

- Engineered an AWS Lambda function that adds songs to a specified playlist in real-time.
- Streamlined the function to only 70 lines of code, yielding 10% faster execution.

Leadership

Division 1 Athlete | Cross Country, Track & Field *Moscow, ID*
University of Idaho *Aug 2017 - May 2021*

- Headed a team of 12 cross country athletes fostering a cohesive team dynamic resulting in the highest team GPA in program history.
- Balanced a rigorous 20-credit academic schedule while also managing practice, meetings, development opportunities, and travel for the team.
- Received Big Sky All-Academic awards and achieved numerous athletic accomplishments as both an individual and as part of the team.

Running Coach | Long Distance *Burns, OR*
Steens High Altitude Running *Aug 2019 - Present*

- Supervised a diverse group of 20 high school athletes through a week of mental a physical challenges leading to 100% of them seeing improvements in their running ability.
- Supported 200+ athletes with varying abilities through events including Cross Canyon, The Big Day, and the Uphill 5k with 95% completion.

Skills

Programming C/C++, HTML/CSS, JavaScript, C#, Python, LaTeX, SQL, Flex/Bison.
Miscellaneous React, Git, AWS, Linux, Shell (Bash), Bootstrap, APIs (Google, Spotify) Firebase, Make.
Soft Skills Leadership, Dynamic, Time Management, Teamwork, Problem-solving, Client Communication.