

Caleb Schoepp

caleb.schoepp@gmail.com | www.calebschoepp.com | https://github.com/calebschoepp

Education

University of Alberta

September 2017 - Present

Computer Engineering Software Option, BSc Co-op (Class of 2022)

- Cumulative GPA 3.5 / 4.0 – First Class Standing
- Part of high intensity entrepreneurship course where small teams design and pitch ideas to investors

Experience

UnifyID – Redwood City, California

February 2020 – Present

Software Engineer Intern

- Acted as a fulltime member of the Backend team. Worked to maintain and build new features for multiple **Go** services, static websites, and a **React** dashboard
- Designed and implemented a system to track user acquisition data across multiple web properties
- Helped upgrade and maintain teams **Kubernetes** cluster, **Grafana** dashboards, and **Athena** pipeline
- One of two team members to refactor **React** dashboard for public consumption
- Helped simplify public API for PushAuth product and ensured correctness with integration testing

Microsoft (Azure.com Team) – Redmond, Washington

May 2019 – August 2019

Explore Intern (SWE + PM)

- Increased awareness of website performance for a large team of developers releasing code daily, by building an extension for the team's **CI/CD** that automatically audits key performance metrics
- Helped research, prototype, and validate ideas for performance improvements such as better caching policies and lazy loading heavy assets
- Fixed user interface bugs and improved accessibility on key pages across Azure.com by utilizing knowledge of **JavaScript** and **React**

Autonomous Robotic Vehicle Project (ARVP) – University of Alberta

September 2018 – August 2019

Software Team Member

- Increased functionality for team's autonomous submarine on **ROS** framework using **Python** and **C++**
- Worked on key updates to diagnostics system including porting CLI tools to a GUI dashboard

Projects

NQQ (Programming Language)

Working to design and implement my own bytecode interpreted programming language in **C**. NQQ began as a derivative of Robert Nystrom's Lox. Exploring/implementing concepts like garbage collection and concurrency.

r/PhotoShopBattles

Built a web app to congregate photos from the r/PhotoShopBattles subreddit. Built the frontend with **React** and used **Node.js** and **PostgreSQL** on the backend. (rphotoshopbattles.com)

Trail Smarts

Joined an interdisciplinary team for a 3-day hackathon to build a website to help match up similar hikers using ML models. Focused my efforts on the frontend visualization using **TypeScript** and **React** to help build the UI.

Sudoku Solving Visualized

Implemented Sudoku solving algorithms in **C++** utilizing a variety of data structures. Tied backend to an **Arduino** frontend for real time solving visualizations using serialized communication.

Achievements

- Saint John's Legacy Foundation Scholarship, 2018 - 2020
- University of Alberta Entrance Scholarship, 2017
- Kinsmen Club of Edmonton Community Service Award, 2017
- Highschool Valedictorian and Governor General's Academic Medal, 2017
- Certified Open Water Scuba Diver, 2018

Technologies

Go, Python, JavaScript, React, SQL, HTML/CSS, Unix, Git, AWS, Node.js, Kubernetes, C