

# Caleb Schoepp

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## Education

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### University of Alberta

September 2017 – December 2022

Computer Engineering Software Option, BSc Co-op

- Cumulative GPA 3.8 / 4.0 – First Class Standing
- Key classes: OS, Algorithms I & II, Machine Learning, Compilers

## Experience

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### Microsoft (Azure Kubernetes Service) – Redmond, Washington

May 2022 – July 2022

Software Engineer Intern

- Increased performance of **Go** billing service by 2.8x by parallelizing workload with go routines
- Improved metrics, alerting, and dashboards for team to help maintain a high quality of service for AKS

### Resemble AI – Remote

August 2021 – November 2021

Software Engineer Intern

- Ported text-to-speech ML pipeline to an **iOS** SDK written in **Swift** to facilitate on device speech synthesis
- Built an internal tool called DataMop to help ML engineers visualize, explore, and clean audio datasets
- Redesigned and refactored **React** text-to-speech editor to be more intuitive for users
- Helped maintain **Rails** service and pushed for consistent formatting and linting across codebase

### Microsoft (Stealth Azure Team) – Remote

May 2021 – July 2021

Software Engineer Intern

- Designed, developed, and unit tested an API in **C#** to give customers access to their usage data
- Mentored new to industry team members on **C#** development best practices

### UnifyID – Redwood City, California & Remote

February 2020 – April 2021

Software Engineer Intern

- Involved in feature development for multiple **Go** services, static websites, and a **React** dashboard
- Helped upgrade and maintain teams **Kubernetes** cluster, **Grafana** dashboards, and **Athena** pipeline
- Built a sample **Android** app to demonstrate *GaitAuth* technology and wrote a blog post about the process

### Microsoft (Azure.com Team) – Redmond, Washington

May 2019 – July 2019

Explore Intern (SWE + PM)

- Built an extension for the team's **CI/CD** that automatically audits key web performance metrics

## Projects

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### StudyBuddy

January 2022 – May 2022

- Built **Rails** app with team that automatically generates practice quizzes based on your notes using **GPT3**
- Finished 1<sup>st</sup> at the 2022 HackED hackathon

### Canvasync

January 2022 – May 2022

- Built a real-time shared notetaking application with **Rails**, **React**, and **web sockets** for capstone project

### CompE+

May 2021 – Present

- Built **TypeScript** backend for website facilitating peer-to-peer resume reviews and mock interviews
- Led configuration of infrastructure including **CI/CD**, **Heroku** deployments, **Postgres** and **S3**

### GrokJS

January 2021

- Wrote VS Code extension with team to teach **JavaScript** syntax by directly explaining the syntax inline
- Finished in the top 6 at the 2021 HackED hackathon

### qShuffle.com

December 2021

- Developed a progressive web app with **React** and the Spotify Web **API** that shuffles your Spotify queue

### MixtapeManager.ca

September 2020

- Built a website with **Go** that automates the time-intensive process of building Spotify playlists by hand

## Technologies

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Go, JavaScript, Python, Ruby, Rust, Swift, Java, C#, C, SQL, HTML, CSS

Kubernetes, React, Android, iOS, Unix, Git, AWS, Azure, CI/CD