Caleb Stromberg

General Information: *Updated January 22nd, 2024*
Email: calebstromberg@gmail.com
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Github: github.com/Corncycle

Employment:

2023–Present Software Engineer I - Hyperproof
Joined a remote team where I primarily contribute to an integrations codebase written in Typescript. Most of my work has been adding new integrations to external services, but I also contribute to the Hypersync SDK and triage bugs across the codebase.

2020—2022 Graduate Teaching Assistant - Western Washington University
Responsible for instructing and assessing undergraduate math students in introductory courses. Experienced with both remote and in-person instruction.

Education:

Master of Science in Mathematics
Western Washington University, 2020—2022. Graduated June 2022 with a 4.0 GPA

Bachelor of Science in Mathematics, magna cum laude
Western Washington University, 2016—2020. Graduated June 2020 with a 3.94 GPA

Projects:

Ultimate Stage Data (Demo) (Source) – Mongoose, Express, Pug, React, Tailwind, Node.js
A web application serving stage-dependent statistics from Smash Ultimate tournaments.

- Processed over 4 million tournament matches and stored data in a MongoDB Atlas database using Mongoose and asynchronous queries to start.gg's GraphQL API
- Wrote a dataset update routine that is scheduled to run weekly with node-schedule
- Structured a MVC framework for an Express server that uses Pug templates with Tailwind for the user interface

Find The Fighter (Demo) (Source) – React, webpack, Firestore
A React-based image searching game with high scores stored in a Firestore database

- Used a React HashRouter to deploy a single page application on Github pages
- Connected app to a Firestore database to let players compare high scores online

You can see a list of all my projects on my personal website.

Technologies: Typescript, Javascript, React.js, webpack, Express, Pug, Python, Git, Github, Tailwind, Java, Firebase Firestore, HTML, and CSS.

Other Activities:

WWU Graduate Project — Sieve Methods
For my graduate project for WWU's Master's program I studied a branch of number theory called sieve theory, in which the goal is to estimate the size of sets of positive integers, particularly sets of prime numbers. My studies focused on the sieve of Eratosthenes-Legendre and Selberg's sieve, and a proof of Brun's Theorem.

Academic Recognition
I participated in the William Lowell Putnam Mathematical Competition in 2019 and achieved a score of 13 points, earning me a ranking of 807.4 out of 3428 students nationwide. For this placement, I received the Richard Greene Putnam scholarship from my university.

In 2022, I was recognized as the outstanding graduate of WWU's math department for my academic achievement out of a pool of 50-100 other candidates.