Caleb Stromberg

General Information: *Updated April 4th, 2023*
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Objective: Looking for an entry-level development position in the software industry that can leverage my mathematical and coding background.

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

Employment:

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.

2017—2020 Math Fellow - Western Washington University
At Western Washington University, the Mathematics Center is staffed by the Math Fellows, a group of students who are hired to offer tutoring in math subjects including calculus, linear algebra, statistics, and differential equations.

Technologies: Competent with Python, Javascript, React.js, Jest, webpack, Firebase Firestore, Git, Github, HTML, and CSS.

Projects and Experience:

Web Development
Since graduating from my master's program, I have been studying web development on my own and have created several websites to practice using technologies like webpack, React, and Jest. So far, I have been focusing on front-end development, but a few projects of mine make straightforward interactions with APIs and databases, and I am currently studying non-relational databases and Express.

Pages I have created can be viewed on the projects page of my website, and source code for these projects can be found on my Github page.

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.

Other Activities:

Python Exercises
When I need to write small, one-off programs, I tend to write them in Python, such as when I completed Advent of Code 2022, an annual event hosted in December with increasingly difficult coding challenges.

My solutions to Advent of Code 2022 can be found here.

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.