

General Information:

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Objective: Looking for an entry-level development position to get a foothold 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

Bachelor of Science in Mathematics, magna cum laude

Western Washington University, 2016—2020. Graduated June 2020

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 HTML, CSS, Javascript, Python, React.js, Jest, Firebase Firestore, Git, Github, and webpack.

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 web pages to practice using technologies like webpack, React, and Jest. So far, I have been focusing on front-end development, but I have made a few projects that make straightforward interactions with APIs and databases, and I plan to delve into the back-end next.

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

As a 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

Since October 2022, I have been completing the daily [leetcode](#) problem in Python to stay sharp on data structures and algorithms. When I need to write smaller, 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](#).

Putnam Competition

I participated in the [William Lowell Putnam Mathematical Competition](#) in 2019 and earned a score of 13 points, earning me a ranking of 807.5 out of 3428 students nationwide.