

Sean Reed

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Summary

Computer Science student making a career change from Music Instruction to Software Engineering. Bringing over 5 years of teaching experience with transferable skills such as problem-solving, communicating complex topics simply, and developing curricula that align with the unique goals of each student. Demonstrating 3 years of programming and development through designing and building multiple projects, including an inventory manager web application with Django, Python, and Postgres currently in production. Seeking an opportunity to learn new things and solve problems as a Software Engineering Intern.

Education

BS in Computer Science

Western Governors University

Expected Dec 2025

BA in Business Administration

George Fox University

Graduation Apr 2014

Work Experience

Music Instructor - Cappella Music Academy | Tacoma, WA

Jun 2019 - Present

- Provide high-quality music instruction, retaining many current students for more than 4 years.
- Maintain a profile of each student with my Student Log CLI app written with C and sqlite.
- Prepare lesson material for each student according to their needs and interests.
- Research consistently for new pedagogical techniques and tools.

Warehouseman - Construction Components | Puyallup, WA

Dec 2018 - Jun 2019

- Prepared closet system and garage door components according to the installation schedule.
- Organized inventory coming in and going out and assisted with installation when a job demanded it.

Maintenance (Project-Based) - Woodland Espresso | Puyallup, WA

Apr 2018 - Dec 2018

- Replaced pipe for underground plumbing system.
- Painted building exterior.

Lead Barista/Production Asst. - Sisters Coffee Company | Sisters, OR

Sept 2016 - Apr 2018

- Managed a team of baristas, scheduling breaks and delegating tasks.
- Taste-tested coffees with the roasting team for quality control.
- Prepared coffee for wholesale and retail delivery and kept track of inventory.

Manager - Woodland Espresso | Puyallup, WA

Jan 2015 - Sept 2016

- Developed an inventory management system using Google Sheets.
- Implemented the Square Register system in the cafe.
- Planned the shift schedule and hired new baristas.

Skills

C/C++, Python, Rust, JavaScript, Verilog, Postgres, sqlite, Django, Flask, HTML/CSS, Bootstrap

Certificates

UC Boulder - Algorithms for Searching, Sorting, and Indexing

Feb 2024

UI at Urbana Champaign - Object-Oriented Data Structures and Algorithms in C++

Aug 2023

HarvardX CS50's Introduction to Artificial Intelligence with Python

Aug 2023

HarvardX CS50's Introduction to Computer Science

Dec 2022