

# Sawyer Watts

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## EDUCATION

**Bachelor of Computer Science, Portland State University (PSU), Portland, OR**  
Graduated June 2020

## TECHNICAL SKILLS

- **Ready to go:** C#/.NET, Git version control, Linux development, C++, Python
- **Quick syntax refresher needed:** Java, SQL, HTML, C
- **It's been awhile:** Lua, CSS, JavaScript, Perl, PHP
- Written a MultiLevel Feedback Queue Scheduler for xv6 OS

## EXPERIENCE

### **C#/.NET Back-End Web Developer, Personal Contract**

June 2020 - Present

I am tasked with rebuilding the back-end of sfo.org as a greenfield project to lay the groundwork for future developers to extend and maintain

*This position will in no way impede my ability to work full-time at another position*

- Structure the web application using Layered Architecture, to emphasize the database-focused nature of the web app, alongside Hexagonal Architecture
- Utilize SQL and Dapper to design, build, and query a MS SQL Server database, with plans to host on Azure with Azure SQL Database
- Leverage dependency injection and repositories to promote testability via NUnit

### **Student Software Engineer, BS Senior Capstone Project**

February 2020 - June 2020

My agile group was tasked with the develop a dockerized pipeline that will query a database of C-Tran data to populate a database containing suspect C-Tran data with markings

- Present on various Python packages resulting in group adoption
- Leverage SQL and SQLAlchemy to act as a database admin and developer
- Develop Git guidelines for the team to ensure optimal history
- Act as a point of contact to coordinate between developers and stakeholders

### **Student Software Administrator, Research Computing, PSU OIT**

June 2019 - September 2020

- Assess needs to develop Python and bash scripts for user and team utilities
- Support distributed supercomputers (Linux HPC clusters and servers)
- Communicate issues and solutions with teammates to increase service quality
- Troubleshoot tickets and answer queries, resulting in satisfied users

## **Guest Services Associate, Towne Park**

March 2017 - June 2019

- Attentively valet vehicles with 100% customer safety and 99.994% vehicle integrity