

# Flavio R. Alvarez Penate

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## SUMMARY OF QUALIFICATIONS

- Thorough understanding of Software Engineering principles through coursework and projects
- Constant desire to learn in order to solve real world problems through Software Development
- Responsible, motivated, and highly competitive inclination to succeed in any environment as shown in projects and “Other Experience”

## EDUCATION

**Bachelor of Science in Computer Science**; GPA 3.63

May, 2024

Washington State University, Pullman, WA

Cum Laude

President’s Honor Roll

### Relevant Coursework:

Systems Programming, Data Science, Database Systems, Neural Networks, Design and Analysis of Algorithms, Object Oriented Software Principles, Software Design and Reverse Engineering.

## SKILLS

C#, C, C++, Python, JavaScript, HTML, CSS, SQL, OOP, TDD, Agile, CI/CD, SDLC, and critical thinking as shown through coursework and projects; attention to detail and strong work ethic as shown in “Other Experience.”

Bilingual in Spanish and English.

## PROJECTS

**Living Atlas**, WSU Capstone Project

2023

- Developed a React application that facilitated the Center for Environmental Research, Education and Outreach at WSU to create, read, update, and delete geographical data
- Built off existing open source API’s ensuring an interactive map based application that satisfied and exceeded stakeholder expectations through map and card integration, polygon filtering, and GIS support

**Spreadsheet**, WSU Class Project

2023

- Programmed a GUI application using Windows Forms in .NET prioritizing test-driven development and object-oriented programming principles, such as encapsulation and abstraction
- Implemented functionality to solve formulas, edit cell color, reference other cells, load and save spreadsheets, and add custom operator support via dynamic link libraries

**Ext2 File System**, WSU Class Project

2022

- Wrote a program that ran from the console and simulated a UNIX terminal with ext2FS functionality, such as read, write, symlink, ls, mkdir, rmdir, cat, link and unlink

## OTHER EXPERIENCE

**Baker/Cake Decorator II**, Safeway, Pullman, WA

Jun 2022-Present

- Responsible for custom orders; success due to strong attention to detail.
- Ability to consistently perform assigned duties through strong work ethic; rewarded by an increase in trust and reliability.