Marcel Fiore

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SUMMARY OF QUALIFICATIONS

- Programming Languages: C++, Python, Angular(JavaScript, HTML, CSS), Java
- Technologies: Linux (Debian, RedHat), Git, GitLab, CI/CD, Perforce Helix, Docker, REST API
- Knowledge: Scrum (SAFe), Agile, Test Driven Development, Object Oriented Design, GitFlow, OSI Model

PROFESSIONAL EXPERIENCE

CACI, Westminster, CO   May 2019 – Present
- Software Engineer

Mobile Simulator is a new project to CACI which enables testing LTE(4G) and UMTS(3G) without the need for real mobiles, RF, or physical hardware. This enables more efficient testing, automated testing and training of users of the wireless system.
- Practiced Agile(SAFe) as a member of a team of 9 to develop the Mobile Simulator project.
- Improved the minutes-long testing process with pysical hardware to a near-instant and automated process.
- Added new features and fixed bugs in simulator project to meet customer vision using C++, Python, and Angular.
- Translated detailed specifications including the 3GPP standards into testable code using Test Driven Development.
- Used GitLab CI/CD to build docker images and automate testing.
- Developed a tool to easily diagnose Linux devices over USBTTY using Python and Angular.

Apollo Enterprise Imaging, Fort Collins, CO   Aug 2018 – May 2019
- Developer Intern
  - Maintained an Angular web application that stores and organizes patient medical records.
  - Queried database server to visualize data into graphs on web application.

Open Water Foundation, Fort Collins, CO   Jun 2018 – Aug 2018
- Web Developer Intern
  - Independently improved screen-size responsiveness of static web pages using CSS and Bootstrap.
  - Sought out and documented JavaScript tools to streamline development of future projects.

Fiore & Sons, Inc., Denver, CO   May 2017 – Aug 2017
- IT Assistant
  - Expanded VLAN network system to increase internet coverage.
  - Setup and maintained cloud-enabled POE security cameras to ensure coverage of the entire property.

PROJECTS

Tower Defense Game   Present
- A basic tower defense game written from scratch using Java and the LibGDX graphics library.
- Written with Object Oriented design patterns.

Enemy Avoider Game   Feb 2020
- Created over 24 hours for the HackCU 2019 hackathon in order to learn the challenges and concepts useful for designing a game engine.
- A basic enemy avoider game in the command line developed using Ncurses library with C++.

Document Comparison Program   Dec 2017

A program that compares documents and searches for a document with a similar subject and user-specified reading level.
- Designed using C++, Object Oriented Priciples, and the Porter Stemming Algorithm to strip words in different forms down to their root word.
- Analyzed efficiency and prioritized optimizing searching through large files such as full Shakespeare plays.
- Created over a semester for Software Development with C++ class at Colorado State University.

EDUCATION

Colorado State University, Fort Collins, CO   May 2019
Bachelor of Science in Computer Science