

Quentin K. Curteman

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Proactive and highly self-motivated computer science major seeking to utilize programming and project management experience as an employee for a company's software team.

SKILLS

- Languages: C++, Python, Laravel, PHP, SQL, HTML, Java.
- Object Oriented Design experience in C++ and Python.
- Skill using a debugger in several different IDE's such as Visual studios and PyCharm.
- Experience using Google's geocode and distance_matrix functions on their API.
- Development on Windows, Linux, and Unix systems.
- Eagle Scout as of March 2013.

PROJECTS

Self-Motivated Projects:

- PHP program that compares data received from two queries. One query uses the LDAP library to access Active Directory, and the second query uses SQL to access a SQL server. I wanted to learn more about the systems in place at the IT department where I currently work. I learned how to create a development environment in a virtual machine so I could run tests against my program during development.
- Vector comparison program in C++ designed to update data stored in a text file, deepening my knowledge of vectors. I took time to precisely name functions and variables to make the program as comprehensible as possible since one of my goals was to make the program as readable as a book. I learned how to write code that is clean and easy to read.
- Smart mirror using Python to display information like a HUD behind a semi-transparent mirror. I did this project using a Raspberry Pi. I learned how to create classes in Python and how to use a weather API to gather real-time information for my program to use.
- Unity game that involves controlling a ball to collect floating objects, gaining points as they are collected. I took on this project because I wanted to learn how video games are made and how a physics engine works. It was exciting learning how an event driven program is built and how it runs.

School Projects:

- Compiler and interpreter in C++ that checks syntax and uses error handling to increase durability. This project involved parsing and manipulating strings as well as creating a grammar that described the logic of the language that I created.
- Robotic arm program created in C++. I created multiple classes that work together by passing data class-to-class in order to produce a logical flow of operations. I also had to calculate points along circles and lines for the arm to draw onto a whiteboard, this meant applying mathematics to my program.

EXPERIENCE

William Jessup University, Rocklin, CA

January 2017 - Present

IT Specialist/Helpdesk

- Currently working on a support site for William Jessup that will allow for a more streamlined system for submitting helpdesk, facilities, security, and marketing tickets.
- Communicate with other team members to increase productivity and ensure great customer service for the students, faculty, and staff on campus.
- Handle account creations, manage user permissions on Active Directory, and help with the phone

management system.

- General troubleshooting for computers and printers as well as classroom support for teachers.

William Jessup University, Rocklin, CA

August 2017 - Present

Computer Science Tutor · Mathematics Tutor

- On demand tutor for Computer Science courses, primarily for Python.
- Help encourage and spark interest in students that are new to programming.
- Weekly drop-in tutor for Mathematics and Physics.
- Inspire students to think abstractly in order to understand difficult concepts in Calculus and Physics.
- Guided a student from a "C" grade, to her first "A" in a College Mathematics course.

Yuba College, Marysville, CA

August 2016 - January 2017

IT Specialist

- Replace hardware inside school desktop computers (processors, motherboards, hard drives, etc.).
- Quickly recognize common problems among staff and faculty to provide swift support.
- Learned the importance of being adaptable to unpredictable situations that arise.
- Re-image computers to have correct software installed.

EDUCATION

William Jessup University, Rocklin, CA **3.82 GPA**

January 2017 - Present

Bachelors of Science in Computer Science

Anticipated graduation in Fall of 2018.

Yuba College, Marysville, CA **3.56 GPA**

August 2013 - December 2016

Associates of Science in Computer Science, Mathematics, and Natural Science.