

Walter L. Williams

Longmont, Colorado
720-438-8469
waltwilliams@suumail.net

www.linkedin.com/in/walter-l-williams
<https://waltwilliams.github.io/portfolio.html>



Computer Science undergraduate seeks to put skills and training to work in the entry-level position at your company. Class assignments, both joint and solo efforts, along with independent projects provide the foundation needed to succeed brilliantly in this position. All class assignments were turned in on time with, at least, the minimum requirements met, and functioning well.



Education

Bachelors of Science - Computer Science (2019) - Southern Utah University - GPA: 3.18



Skills Acquired

Java - Android Development
Algorithms - Data structures
MySQL
C/C++

Independent Work

HTML - CSS - PHP
SQLite
C++ - Qt - Python
Linux - Git/GitHub



Projects

For a detailed description of these projects visit the *Programming Portfolio*:
<https://waltwilliams.github.io/portfolio.html> (non-class projects)

- **MyClassicCar** - Published **Android** Application. The star feature of this app is the ability for classic car owners to store manufacture part numbers for difficult to locate parts along with alternate sources. It also tracks maintenance and oil changes.
- **DigiCalc** - Published **Android** Application. A 64 bit, 4 function, binary, octal and hexadecimal calculator. The idea for this app came while furthering my studies of computer architecture. This app will prove useful in those studies. This app does not make use of **Java's** BigInteger or BigDecimal classes.
- **Kryptic** - **Python** program with TkInter. This is an implementation of the synchronous encryption algorithm called the One-Time-Pad. Written for the fun of programming and to better learn a language that was, *very briefly*, introduced in class.
- **ShowTime** - **C++ and Qt**. A slideshow program. The benefit of this project is working with threads and signal-and-slots in C++. The next step is to expand this into a program that will aid in sorting multiple selected folders of photos where duplicates might exist.
- **Programming Portfolio** - **HTML/CSS** template written with a text editor and uses JavaScript in the form of **JQuery**.



Soft Skills

Collaboration

College provided opportunities for collaboration in that at least five CS class final projects were team projects. Communication and comradery was the key to success of these projects.

Pre-college occupation as a Circuit Board Designer (layout) required interfacing with an Electrical Engineer on every project.



Talking Points

My academic and independent projects count for at least two years of programming experience.

Experience with **MySQL** first through the Database Management class then later with my independent projects. **SQLite** came later.

Linux is my primary operating system. All class and programming assignments was produced on this system.

All Computer Science class final projects required a **PowerPoint** presentation in front of the class. Several non-Computer Science classes required academic papers written with **Word**.