

William Frank

willfrank98@gmail.com (215) 939-7357 <https://willfrank.xyz>

Objective

I am seeking an internship or job that will allow me to practice and develop the technical skills, critical thinking, and problem solving abilities I possess to create useful and effective software, and expand my knowledge of computer science.

Education

University of Utah Computer Science B.S. (Expected May 2020)

Salt Lake City, UT

Current GPA: 3.519

Relevant Coursework

- Introduction to Algorithms and Data Structures
- Software Practice I & II
- Computer Organization
- Linear Algebra
- Calculus III
- Discrete Structures
- Algorithms (In progress)
- Computer Security (In progress)

Technical Skills/Experience

- Languages: C++, C#, Java, Qt, MIPS, SQL, REST
- Operating systems: Windows, Linux, OS X
- IDE's: Visual Studio, Eclipse, Qt Creator, Mars
- Git/Github, Travis, Google Test, Testing automation, CMake, JSON
- Pair and group programming, Agile/scrum techniques

Projects

Class Project: Logic Quest

- A game designed to help teach users about logic gates and their interactions through a drag and drop interface that evaluates outputs in real time, as a group of seven.
- Designed and implemented level UI, level switching, and level loading system.

Class Project: QtSE

- A sprite editor designed in Qt, complete with multiple frames, live preview, GIF exporting, sprite sheet exporting, PNG exporting, saving/loading, and more, as a group of six.
- Responsible for implementing text file save/load, mirrored painting, and color replace.
- Helped with overall UI and the system for modifying individual pixels.

Independent Project: Team Builder

- Software written for my local recreation association to build soccer teams.
- Saves 50+ hours of work every season.

See <https://willfrank.xyz> for more information!