

# Jonathan Wyatt Pilling

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## EDUCATION

### University of Utah

Bachelor of Science in Computer Engineering

- Dean's List

Salt Lake City, UT  
Graduated December 2019

## WORK EXPERIENCE

### Chart Logic

Software QA Intern

- Responsible for testing software (Functional, Regression, Back-End) and automating tests in Visual Studio using Selenium with C#.
- Git and JIRA for maintaining automation tests and tracking issues.
- Working in an agile environment, demonstrated excellent communication skills, both verbal and written.

Salt Lake City, UT  
June 2019 – Present

### Coda Octopus Group - Colmek

Engineering Intern

- Responsible for testing custom PCBAs with various lab tools (Oscilloscopes, Multimeters, Function Generators).
- Assisted in writing/updating technical documentation to improve testing times and convey clearer testing steps.
- For a particular PCBA, modified PuTTY solution to cut testing time by 30 seconds per assembly.

Murray, UT  
October 2018 – April 2019

### Huntsman Cancer Institute

Information Desk/Patient Transporter

- Responsible for managing the information desk and safely transporting patients.
- Responsible for solely running the department nights/weekends, prioritizing issues, and assessing situations to make correct decisions.

Salt Lake City, UT  
January 2016 – August 2019

## PROJECTS

### Computer Engineering Senior Project

Wireless Mesh Audio System

- Developed, with a team, a wireless mesh solution for broadcasting audio data between speakers of different brands.
- Wireless mesh software was written in C using the ESP32 framework.

Salt Lake City, UT  
August 2019 – December 2019

### Database Systems

Learning Management System

- Starting with design of an entity-relationship diagram, created a database in MySQL to implement a learning management system.
- Created a GUI to communicate with the database via LINQ queries in C#.

Salt Lake City, UT  
January 2019 – April 2019

### Software Practice

Boggle Game

- With a team, implemented an online game in C# using client-server model.
- Implemented RESTful Architecture to handle all requests and an SQL database to store information.

Salt Lake City, UT  
January 2017 – April 2017

### Hack the U

Hack to Save Homeless Pets – 1<sup>st</sup> Place

- Developed, with a team, an application that allowed users to report lost pets written in JavaScript.

Salt Lake City, UT  
Oct 2016

## TECHNICAL SKILLS

- Languages: C, C#, C++ (Graphics), Java, JavaScript, MySQL, Python (Algorithms/Data Analysis), Verilog
- Programs: Visual Studio, ISE Xilinx/Intel Quartus

**Hobbies:** Play drums in successful local bands, competitive Super Smash Bros. Player, car enthusiast.