

442 Hancock St
Gallatin, TN 37066

JUSTIN T. BUTTREY

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EMPLOYMENT

Electronics Technician **Gaylord Opryland Hotel** **Spring 2016 – Current**

- Created a C# console application to control lights using the DMX512 standard. Packets are sent via USB to a DMX controller that converts the input to the DMX512 signal and sends it through 5 pin XLR cables to the fixture
- Repaired bad PCB connections on faulty LED fixtures, fixing issue that caused lights to randomly flicker.
- Assisted with rewriting sections of old Python scripts, making the file easier to read and more efficient.

Shift Lead & Mechanic **Holder Family Fun Center** **Fall 2014 – Spring 2016**

- Instituted preventative maintenance schedule for pinsetters, drastically reducing lane breakdowns.
- Fully repaired lane oil machine that had been barely working for several years.

EDUCATION

Cookeville, TN **Tennessee Technological University** **Fall 2018 – Current**

- Working towards B.S. in Computer Science
- Relevant Coursework: Principles of Computing.

Gallatin, TN **Volunteer State Community College** **Fall 2015 – Summer 2018**

- GPA 3.8
- Relevant Coursework: Fundamentals of Web Programming and Design; Programming in C#; Intro to .NET Programming; Programming in C++; Microcomputer Databases; Advance Database Concepts & Programming; Introduction to Programming Logic Using Mobile Applications.

TECHNICAL EXPERIENCE

Projects

- **Rogue-like Game (2017-2018):** 2D top down game, players can create a character and explore a randomly generated world filled with towns, dungeons, and monsters. *C#, MonoGame, JSON, XML*
- **Technical Documentation Page (2018):** A sample documentation page for JavaScript. Uses media queries and Bootstrap to create a responsive design. *Bootstrap, CSS, HTML*
- **Survey Form (2018):** A survey form for users of the freeCodeCamp website, uses a wide range of form elements. *Bootstrap, CSS, HTML*
- **Portfolio Website (2017):** My personal site with all my completed projects. *Bootstrap, CSS, HTML*
- **GitHub Mega Project (2016 - 2017):** Large list of mini projects, I've been working through them in various languages. *C#, C++, JS*
- **Twitch JSON API (2017):** Uses the Twitch API to display a list of a group of people who stream on Twitch. Users can see who is currently online and get a link to the stream. *JS, CSS, HTML*
- **Wiki Viewer (2017):** Simple Wikipedia search tool, user can type an item to search for and a list of links is created with a short description. *JS, jQuery, Bootstrap, CSS, HTML*
- **Random Quote Generator (2017):** Gets a random quote on button press, allows user to share the quote on twitter. *JS, jQuery, HTML, CSS*
- **Weather App (2017):** Shows the temperature for your current location, background color changes based on the temperature. It can switch between Fahrenheit and Celsius. *JS, jQuery, Bootstrap, CSS, HTML*

ADDITIONAL EXPERIENCE

- **Free Code Camp:** Responsive Web Design Certification (2018)

Languages and Technologies

- JavaScript; jQuery; HTML; CSS3; Bootstrap; C#.NET; Python (Some Experience); Canvas (Some Experience); C++ (Prior Experience); SQL (Prior Experience)
- Visual Studio; Git (Some Experience); Microsoft SQL Server (Prior Experience)