AUSTIN STOCKWELL

(219) 671-9136   austinbstockwell@gmail.com   Website Portfolio   LinkedIn   GitHub

SKILLS

Python, Django, C, C++, C#, .NET Core, Xamarin, MySQL, HTML5, CSS3, Wordpress, Grafana, Tableau, Arduino, Atom, Xcode, Git

PROJECTS

Financial Database | **My*SQL***   GitHub | Documentation

Database tracking past and future financial trends

- Designed database by creating **Entity-Relationship Diagrams**
- Created **Views** that allowed easier viewing of data across multiple tables
- Implemented **Triggers** to keep track of bank account and credit card balances

Database GUI & BI Dashboard | **C#, Python, Grafana**   GitHub | Documentation

Data entry and visualization tools for MySQL financial database

- Utilized **MySQLConnector** to interface with database
- Streamlined data entry by creating **GUI** in **C# (.NET Windows Forms)** and **Python (Tkinter)**
- Created **BI Dashboards** for data visualization and analysis with **Grafana**

MIDI Controller | **C++, Circuit Design, Embedded Systems**   GitHub | Documentation

Musical hardware device that controls external synthesizers in real time

- Samples analog voltages in real-time and transmits serial MIDI data over 5-pin cable and **USB**
- Uses **Arduino LCD Library** and 1602 LCD for MIDI Channel / CC number editing
- Interfaces with internal **EEPROM** to store knob values and provide a preset system for device

EXPERIENCE

Service & Test Engineer   **2017 - 2018**

Precise Path Robotics

- Improved engineering documentation and service manuals
- Repaired and serviced autonomous robots in the field to the component level
- Liaison between engineering team and customer

3D Printing Lab Manager   **2016 - 2017**

Purdue School of Engineering & Technology

- Streamlined lab services, documentation and record systems — improving output by 250%
- Trained and managed undergraduates on lab services and 3D printing technologies

EDUCATION

Purdue University   *2014 - 2017*

B.S. Computer Engineering Technology

CERTIFICATIONS

Federal Aviation Administration   *2018 - 2019*

Certified Flight Instructor, Commercial Pilot (S.E.L & M.E.L.), Instrument Rating