Aaron Paterson

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WORK EXPERIENCE

Flamig Farm

SUMMER 2020 | https://flamigfarm.com/

- Designed and published a “Sponsor an Animal” section for an existing WordPress website in response to loss of business during Covid-19
- Automated creation of separate mailing lists for the sponsors of each animal, a personalized thank you message, and a gift link feature
- Performed general maintenance and repairs for a variety of WordPress issues, including WooCommerce and VisualComposer updates, and debugging css, js, and php
- Provided weekly in-person training
- Successfully anticipated demand, client received over $1000 in donations the day the page went live

Complexity Rooms

SUMMER 2019 | https://git.io/fjnht

- Designed, prototyped, programmed, installed, and documented four Arduino-based escape room puzzles
- Estimated and adjusted budgets and deadlines in response to faulty parts and changes in time constraints
- Implemented IOT hardware including RFID tags/readers, hall effect sensors, piezo pickups, magnetic door locks, breadboards, buck converters, and LED strips
- Made repairs to existing IP cameras and magnetic door locks

STUDENT EXPERIENCE

Connecticut College Tech Challenge

SUMMER 2018 | https://git.io/fpZTb

- Placed first in the final round on a team of three Quinnipiac students after several rounds of presentations and a final live demonstration
- Collaborated remotely during a three-week preparation, making use of version control (github), javascript (node and vue), remote deployment (digitalocean and heroku), and collaborative development (VS code)
- Placed first in the preliminary programming contest

FIRST Robotics

SUMMER 2017 | https://git.io/fh71m

- Lead a programming team of Simsbury High School students, using a command-based API to learn and implement best practices
- Coordinated with mentors and several specialized teams to set and meet budgets and deadlines

EDUCATION

Quinnipiac University

FALL 2018 – PRESENT | 3.2 GPA

- Pursuing a BS double major in computer science and mathematics

Manchester Community College

SUMMER 2017 | 4.0 GPA

- Completed calculus I/II the summer before my senior year of high school

University of New Haven

FALL 2014 - 2018 | 3.7 GPA

- Completed four PLTW courses and exams, totaling ten credit hours
- Received institution credits for MECH1101, EASC1107, ELEC1155, and EASC1109