

# Aaron Paterson

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## WORK EXPERIENCE

### Flamig Farm

SUMMER 2020 | <https://flamigfarm.com/>

- Designed and published a "Sponsor an Animal" page 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 hardware including RFID readers, hall effect sensors, piezo pickups, magnetic door locks, breadboard circuitry, DC power supplies, and digital 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 with 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 | 3.6 GPA

- Pursuing a BS, double major in computer science and mathematics

### Manchester Community College

JULY 2017 | 4.0 GPA

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

### University of New Haven

AUGUST 2014 - 2018 | 3.7 GPA

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