Aaron Paterson

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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
- Collaborated remotely during a three-week preparation, several rounds of presentations, and a final live demonstration
- Gained experience with 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

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

- Programmed an advanced robotics controller on a team of Simsbury high school students, using a command-based API to maximize code readability and reusability
- Coordinated with mentors and several specialized teams to set and meet budgets and deadlines

Electrathon, Lime Rock CT

SUMMER 2017

- Designed, built, and raced an electric go-kart on a team of Simsbury high school students
- Operated and maintained a drill press, several band saws, a plasma cutter, a CNC router, a vintage oscilloscope, and a MIG welder

WORK EXPERIENCE

Complexity Rooms

WINTER 2018 | https://git.io/fjnht

- Designed, prototyped, programmed, and installed four Arduino based escape room puzzles
- Estimated and adjusted budgets and deadlines in response to faulty parts and sudden 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

EDUCATION

Quinnipiac University

FALL 2018 - PRESENT

- Pursuing a BS in computer science and a minor in mathematics

Manchester Community College

JULY 2017 | 4.0 GPA

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

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

Simsbury High School

AUGUST 2014 - 2018 | 2.7 GPA

- Completed AP computer science A, 5/5 exam score
- Completed AP physics and seminar