Evan D. Patrick

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EDUCATION

CORNELL UNIVERSITY
BS in Computer Science
Minor in Business
Expected May 2021 | Ithaca, NY
College of Engineering
Dean's List (All Semesters)
Cum. GPA: 3.757 / 4.0

COURSEWORK

Technical
CS 2112 – Honors Data Structures (Teaching Assistant)
CS 3110 – Functional Programming (Teaching Assistant)
CS 4750 – Robotics
CS 4820 – Algorithms
CS 3420 – Embedded Systems
CS 2800 – Discrete Structures
ECE 2300 – Digital Logic

Business
AEM 1200 – Intro to Business
HADM 2230 – Financial Accounting
AEM 3249 – Entrepreneurial Marketing/Strategy

SKILLS

PROGRAMMING
Proficient:
Java • Python • OCaml
Comfortable:
C# •NodeJS • Verilog • LaTeX
Prior Experience:
C++ • Kotlin • JavaScript • HTML • CSS

FRAMEWORKS/TOOLS
Flask • Express • Numpy • Git • TravisCI • SQLite3 • Postgresql • Docker • Unix • Linux • Inventor 2019

EXPERIENCE

PHIZZLE INC. | Software Engineering Intern + Recruiter
Summer of 2018, 2017, 2016 | New York, NY

- Developed high performance IoT edge computing solution in C# to generate C++ code based on a JSON rule set. This resulted in ~90% fewer computations when compared to the company's previous solution

CUAIR | CU Unmanned Air Systems – Platform Subteam
September 2017 – Present | Ithaca, NY

- Software developer for autonomous unmanned aircraft that is capable of takeoff, landing, object recognition/classification, and waypoint navigation
- Developed camera-gimbal server which controls synchronization between camera captures and gimbal orientation using python flask

FIRST ROBOTICS TEAM 7400 | Software Mentor
August 2018 – Present | Melville, NY

- Working closely with high school students, teaching them software engineering principles necessary to design and program a competitive robot

FIRST ROBOTICS TEAM 3624 | Director of Engineering
September 2013 - June 2017

- Lead engineer on high school robotics team during senior year tasked with managing timelines and making key design decisions
- Trained junior team members in both a classroom setting and individually on concepts such as C++, OOP, data structures, Quality Function Design, PID control, and design using CAD

NATIONAL COMPUTER CAMP | Resident Instructor
Summer of 2015 | Fairfield, CT

- Taught computer science and engineering concepts to kids ranging from eight to fifteen years old
- Topics taught includes Java, C++, data structures, algorithms, computer hardware, networks, and CAD

AWARDS

2017	Winner	Suffolk ASSET $2000 Scholarship
2017	All-Star Competitor	American Computer Science League
2017	2x Finalist	FRC Robotics RPI and Hofstra Competitions
2017	Tied 1st/50	St. Joseph's Computer Programming Competition
2016	Tied 1st/50	St. Joseph's Computer Programming Competition
2015	Finalist	FRC Robotics RPI Competition