

# Evan D. Patrick

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## EDUCATION

### CORNELL UNIVERSITY

BS IN COMPUTER SCIENCE

MINOR IN BUSINESS

Expected Dec 2020 | Ithaca, NY

College of Engineering

Dean's List (All Semesters)

Cum. GPA: 3.913 / 4.0

## COURSEWORK

### TECHNICAL

CS 2112 - OOP and Data Structures  
Honors (Teaching Assistant)

CS 3110 - Functional Programming  
(In-progress)

CS 4750 - Robotics (In-progress)

CS 2800 - Discrete Structures

ECE 2300 - Digital Logic and  
Computer Organization

MATH 2940 - Linear Algebra

MATH 1920 - Multivariable Calculus

ECON 3130 - Statistics and  
Probability (In-progress)

### BUSINESS

HADM 2230 - Financial Accounting  
(In-progress)

AEM 3249 - Entrepreneurial

Marketing/Strategy (In-progress)

## SKILLS

### PROGRAMMING

Proficient:

Java • NodeJS

Comfortable:

C# • OCaml • Verilog •  $\LaTeX$

Prior Experience:

Python • Kotlin • C++ • JavaScript •

HTML • CSS

### FRAMEWORKS/TOOLS

Express • Git • TravisCI • PostgreSQL •

Docker • Unix • Linux • ROS • Unity •

Inventor 2019

## EXPERIENCE

### PHIZZLE INC. | SOFTWARE ENGINEERING INTERN + RECRUITER

Summer of 2016, 2017, 2018 | New York, NY

- Developed C# program to generate C++ code based on a JSON rule set provided from a fog node to run on routers for high performance IoT edge computing
- Developed a NodeJS portal that retrieves data from an online gaming engine and automatically generates broadcast-quality video graphics and updates via social media (published on company website)
- Created webapp that enables professional sports organizations to automatically select at random and direct message lottery winners via Twitter

### CUAIR | MEMBER OF PLATFORM SUBTEAM

September 2017 – Present | Ithaca, NY

- Developing software for an autonomous unmanned aircraft that is capable of takeoff, landing, object recognition and classification, and waypoint navigation
- Utilizing Java Spring Framework to develop the ground server responsible for communication between the aircraft and the ground station

### FIRST ROBOTICS TEAM 7400 | SOFTWARE MENTOR

January 2017 – Present | Melville, NY

- Working closely with high school students teaching them software engineering principals 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
- Responsible for managing development timelines and making key design decisions based on technical and financial restrictions
- 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