

## Drew Stephens

Chicago, Illinois • drew@drew-stephens.com

### Education

**WORCESTER POLYTECHNIC INSTITUTE – 3.70 GPA**

Worcester, MA

Undergraduate studying Robotics Engineering

Graduating May 2028

### Internship Experience

**Fermilab**

Batavia, Illinois

**TARGET Intern**

June 2024 - August 2024

- Working under a scientist at Fermilab to learn new skills to use in a professional STEM environment
- Attending afternoon lectures to further my understanding of particle physics and other related interests studied at Fermilab
- Collaboration with fellow interns in my program to complete tasks and learn from one another

**Bitspace**

Chicago, Illinois

**Youth Engineering Camp Instructor**

June 2023 - August 2025

- Junior guide at a maker lab youth camp, helping kids brainstorm, design and fabricate their own projects
- Teach students, ages 9-13, the basics of making through the use of laser cutters, 3D printers, CNC machines, and other traditional woodworking tools
- Troubleshooting and creating new solutions to problems encountered by kids throughout the week of camp

### Leadership, Activities, and Service

**FIRST Robotics Team 4645**

Chicago, Illinois

**Captain**

September 2021 - June 2025

- Experience with rapid prototyping, designing, assembling, testing, and driving our team's robots
- Computer aided design using components sourced from sellers and custom sheet metal in Fusion 360
- Communicating with members from other programs / teams to create strategies for matches and solve problems that arise in competition
- Dean's List Semifinalist

**FORA: Forging Opportunities for Refugees in America**

Chicago, Illinois

**Leading Volunteer Robotics Coach**

March 2022 - May 2025

- Robotics coach for a refugee program serving kids from Burma (Myanmar), Afghanistan, and Syria
- Teaching middle school age students the VEX robotics platform each season for the Vex Robotics Competition
- Program includes idea generating, the engineering design process, and basic fabrication skills
- 200+ volunteer hours

### Skills & Interests

**Skills:** Python, SQL, rapid prototyping, additive manufacturing, computer-aided design (CAD), programming, graphic design, soldering, video game design, woodworking, teaching

**Programs:** Python, Fusion 360, Solidworks, Adobe Illustrator, Adobe Premiere Pro, Onshape, Universal Laser Systems, Bambu Studio, Python, C++, Arduino, Inkscape, Unity 3D, Betaflight, OpenRocket, Matlab and more

**Interests:** Robotics, badminton, film studies, photography, running

### Academics

**Robotics & Systems:** Introduction to Robotics (RBE1001)

**Computer Science:** Programming for Engineers (CS1005), Object-Oriented Design (CS2102)

**Electrical & Computer Engineering:** Intro to ECE (ECE2010)

**Mathematics:** Calculus I–IV, Linear Algebra I, Ordinary Differential Equations