

Ethan Merrill

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Education:

Worcester Polytechnic Institute (WPI), Worcester Massachusetts

Bachelor of Science in Engineering Management: Operations Concentration, Computer Science Minor, May 2020 GPA: 3.34

Experience:

Operational Performance Training and Integration Intern, ISO New England, Windsor, CT June–August 2019

- Planned, designed, and developed, an automated system of reporting inadvertent power flows
- Reduced report creation time by 90% and improved process transparency and accuracy
- Presented completed program and results to senior executive staff

3d Print Lab Assistant and Developer, WPI, January 2019–Present

- Contracted by WPI to develop an information management system to automate the 3D print order entry process
- Estimated to save 200 hours of student and lab monitor time annually and net annual savings of over \$3,000

Web Design and Development Consultant, WPI, May 2019–Present

- Designing and building a Wordpress website to meet the needs of a team of WPI Research Professors

Business and Product Development Intern, Electrona Robotics, Somerville, MA June–August 2018

- Designed and built submersible drone prototypes in a startup incubator. Wrote business plans and financial statements
 - Collaborated with company founder, mechanical engineering and software consultants
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Projects:

Angelo Gordon Investment Firm: NYC, September–December 2019

- Creating a software tool using Power BI, Python and SQL to automate checking and reporting of loans between databases

Copenhagen Payday Lending Analysis, WPI, Copenhagen, Denmark August–October 2018

- Conducted interviews with members of the Danish parliament, a payday lending representative, and industry researchers
- Analyzed business models of payday lenders via financial reports and industry data
- Presented a policy package recommendation to the Danish Consumer Council, a consumer protection organization

Agricultural Technology Startup, Worcester, January 2019–Present

- Developing a product to automate seeding, growing and harvesting of produce indoor environments assisted by AI
- Received funding from self produced video submission
- Conducting customer discovery interviews with the support of an NSF I-Corp grant

Society of Automotive Engineers Formula Racing Competition-Business Plan Design, WPI, March 2019–May 2019

- Collaborated with the Formula SAE club in developing a business plan to sell club-designed cars part of the competition
 - Scored top 1/5th in International competition in Michigan
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Skills:

Software: Microsoft Excel, Word, Powerpoint, Access, VBA, Tableau, Wordpress, Java, Python, Git version control, Grabcad version control, Solidworks, Autodesk Inventor, Fusion 360, HTML, CSS, PowerBI

Hardware: HAAS Machine Tools, Additive Manufacturing, Silicone Mould Design

Achievements:

Awards: WPI Dean's List Spring 2018, Spring 2019 • Global Problems Seminar: Power the World Judges Choice Award

Certifications: IISE Lean Greenbelt • SolidWorks Certified Associate • Bloomberg Market Concepts • USCG Limited Masters

Activities & Leadership:

Captain, Sailing Team, WPI, January 2018–Present

- Negotiated a contract with a new sailing venue, saved in daily travel time, boat maintenance, coaching, and storage costs
- Collaborated with the executive board and retiring advisor to select a new faculty advisor for the club

Secretary, Investing Club WPI, January 2018– January 2019

- Organized a school-wide virtual investing competition with cash prizes.