

Trevor Boyce

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Education

Pennsylvania College of Technology
B.S. Industrial Design Major

Williamsport, Pa
June 2020 - Present

Penn State University Brandywine Campus
B.S. Mechanical Engineering Major

Media, Pa
Aug. 2018 - May 2020

Hochschule Pforzheim
Engineers Made in Germany

Pforzheim, Germany
May 2019 - July 2019

- German, and Manufacturing and Engineering related courses

Skills

Design Experience

- Visual and form design, color material finish design, and user-centric design
- More than 10 years of experience with the design process including problem definition, ideation, prototyping, testing, iterative development, and delivery
- Experienced with rapid prototyping and familiar with designing for manufacturing processes

Computer Hardware and Software Experience

- SolidWorks, Inventor, front-end web development and hosting, Blender, Rhino, and Figma
- Experience in computer hardware including consumer, commercial, and microcontroller applications
- Programming experience including a website written in HTML, CSS, JS, and PHP
- Interests and pursuits in growing skills such as programming, low-level computer hardware knowledge, audio production and engineering, and computer peripherals

Mechanical Experience

- Electronics, 3D printing, CNC machining, laser cutting, and mechanical design
- Automotive work including suspension tuning, cosmetics & audio, maintenance, and repair

Conversational German language speaking skills

Relevant Pursuits and Certifications

Certified SOLIDWORKS Associate (CSWA) (CAD software program)

Downingtown, Pa
2018

- More than 5 years of experience using SolidWorks to design parts and assemblies, draft technical drawings, and create digital renders

FIRST Robotics

Downingtown, Pa
2013-2018

FIRST Tech Challenge (FTC) Team 7314 - Coach, Mechanical Design and Fabrication

- Design Team Lead and Student Teacher for SolidWorks
- Leadership roles in design, mechanical, and drive teams on an 11-member team with significant contributions to community outreach and team branding
- Experience documenting, analyzing, and presenting of design and performance data

FIRST Robotics Competition (FRC) Team 1640 - Mechanical Design and Fabrication

- Robot design, machining, and assembly
- Worked closely with other subteams to meet needs and deadlines during the yearly 6-week long build seasons and off-season

FRC and FTC World Championships

St. Louis, Mo
2014-2018

Work Experience

Ski Valley Bike, Board, Ski & Skate
Sales Consultant, Ski and Snowboard Technician

Danville, Pa
Nov. 2021 - March 2022

- Listened and communicated to understand and resolve customer needs
- Individualized user experiences based on needs
- Consistent quality workmanship on customer skis and snowboards

Best Buy - Downingtown
Technology Sales Consultant

Downingtown, Pa
Nov. 2016 - Dec. 2019

- Developed communication and selling skills by asking questions to discover and understand customer needs to create solutions
 - Consistent performance above requirements and expansive product knowledge in 5 different departments throughout the store
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