William Corson

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For more information on projects go to: https://www.linkedin.com/in/william-corson-a16667232

Skills: 3D Modeling Software (Inventor, NX, Fusion 360, Blender, SolidWorks.) - Additive Manufacturing (Desktop FDM, Industrial FDM, Formlabs SLA, SLS) - 3D Scanning - Laser Cutting - UV printing - PLA Welding - Soldering - Machining (Lathes, Bandsaws, Mills, Drill Press) - Adobe Photoshop & Illustrator - Design - MATLAB

Education:

University of Cincinnati, College of Engineering and Applied Science *Class of 2027*
Bachelor of Science: Mechanical Engineering Technology *GPA: 3.50*

- Courses: Intro to Additive Manufacturing, Product Development, Applied Machine Design.
- **President of Animation Club**, Tripled membership by increasing meeting activities & trips.
- Member of Makers Club, Writing Circle, Star Wars Club and EnableUC.

Experience:

Prototyping Technician COOP & Part Time, *UC Ground floor Makerspace, Cincinnati OH* *May 2024-Present*

- Run and maintain a print farm that includes Desktop & Industrial FDM, as well as Formlabs SLA & SLS additive manufacturing equipment
- Trained new members through certifications & workshops on makerspace equipment and software such as Artech 3d Scanner, 3D printers, Laser Cutters, a UV printer, Sewing Machines & Graphics Printers.
- Completed projects include project samples for machinery, new curriculum for members, and research for developing my own skills.

3D Print Lab & Engineer COOP, *Cincinnati Children's Hospital, Cincinnati OH* *May 2025-August 2025*

- Ran the following additive manufacturing equipment: Form 3, 3L and 4 SLA, a Stratasys FDM and a Stratasys Medijet J5 printer.
- Mass produced custom silicone ear molds for children utilizing SLA printed molds.
- Handled a multitude of design projects for other departments including a coverslip holder, a custom, removable syringe cap for insulin, replacement parts, and teaching samples.

Experiential Exploration Program COOP, *UC, Cincinnati OH* *August-December 2023*

- Collaborated with another engineer to design and manufacture a prop sword that turns on and off with coded LEDS, when Alpha or Beta brainwaves are read on a connected headset.
- Used the design process to take project from ideation all the way to a finished prototype.
- Learned the capabilities, limitations & maintenance of design, FDM 3D printers, Blender, sanding/finishing, & soldering.

Training and Development COOP, *Mitsubishi Electric Automotive America, Mason OH* *Jan 2023-April 2023*

- Designed and 3D printed a working gripper arm for wire cutting to go out on the manufacturing line.
- Created Teaching Examples & Curriculum to train technicians going out to run the line.