

Amari Harbin

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Drexel University
Bachelor of Science in Product Design
Minor: Culinary Arts

Philadelphia, PA
Anticipated Graduation: June 2027
GPA 3.85

Relevant Coursework

- Design for Manufacturing
- Applied Materials
- Product Design Process Studio
- Mechanical Behavior of Materials for Product Design
- Food + Design
- Visual Communication for Product Design

Skills

- Sketching & Ideation
- Prototyping
- CAD Modeling
 - Rhino
 - Onshape
 - SolidWorks
- Rendering
 - Keyshot
 - Blender
- Woodworking
- CNC Machining
- Metalworking
- Welding
- FDM 3D Printing
- Resin 3D Printing
- Mold Making
- Casting
- Ceramics
- Sewing
- Upholstery
- Arduino
- Soldering
- Coding
 - Python
 - Java
 - HTML
 - CSS
- Microsoft Excel
- Adobe Products
 - Photoshop
 - Illustrator
 - Indesign
 - Lightroom
 - Premier
- Figma
- Studio Photography

Work Experience

- Westphal Product Design Make Lab & Woodshop** Philadelphia, PA
April 2025 - Present
- > *Shop Tech*
 - Maintain and operate tools, including bandsaws, table saw, chop saw, drill press, lathe, and hand tools
 - Assist with proper tool usage and giving advice on manufacturing for projects
 - Organize and cleaning shop space after every shift, keep track of stock of consumable supplies
- Westphal Product Design Department** Philadelphia, PA
September 2025 - Present
- > *Form Studio Teacher's Assistant*
 - Collaborated with the professor to create and present demos of different modeling techniques and material usages
 - Scheduled time outside of class to provide additional assistance and feedback to students
 - Assisted the professor with adapting lesson plans around my experience from taking the class
- Pittsburgh Zoo & Aquarium** Pittsburgh, PA
July 2021 - September 2021
- > *Admissions & Guest Services, Carousel*
 - Developed strong customer service skills through interactions with 500+ guests each day
 - Sold tickets to customers, in addition to selling, managing, and renewing memberships for guests
 - Operated and cleaned zoo carousel maintaining COVID sanitation and safety measures

Design Experiences

- Sarah Heinz Advanced Robotics Program** Pittsburgh, PA
(First Robotics Competition - FRC) August 2021 - April 2023
- > *Electronics Lead, Outreach Co-Lead, Mechanical team, CAD team*
 - Led a team of 3 to wire sensors, motors, and power systems for 2 robots used in 6 separate competitions
 - Co-designed, built, wired, and programmed an all-terrain chassis with a frisbee launcher in 3 months
 - Planned and organized community outreach events to promote robotics and STEAM to children
 - Used my experience and connections to kickstart and advise my high-school's own FRC robotics team
- Philadelphia Museum of the Arts Colab Competition** Philadelphia, PA
June 2025 - November 2025
- > *White Oak Shoe Cabinet Bench*
 - Researched the style and works of Sebastian Errazuriz to develop a aesthetic language
 - Iterated concepts exploring various forms and functions through sketches and models
 - Manufactured a final product using woodworking, CNC, casting, and upholstery techniques