

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

› *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

› *Form Studio Teacher's Assistant*

September 2025 - Present

- 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

› *Admissions & Guest Services, Carousel*

July 2021 - September 2021

- 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

› *White Oak Shoe Cabinet Bench*

June 2025 - November 2025

- 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