

Brayden Freitas

Baltimore, MD—(443) 504 3401—andrewbrayden98@gmail.com—<https://baf57.github.io/>

TECHNICAL SKILLS

Woodworking

Fabrication

Dimensioning
Templating
Routing

Finishing

Sanding
Applying Finish
Trimming
Scraping

Milling

Hand Planing
Resawing
Jointing

Joinery

Lapping
Mitering
Box-jointing
Mortising
Tenoning

Other

Construction

Framing
Drywall Hanging
Drywall Jointing
Flooring

Computer

Microsoft Suite
CAD
Tool Pathing
GCode

Multi-Material

3D Printing
Sewing
Welding
Metal Machining

Other

Basic Plumbing
Basic Electrical
Basic Masonry
Basic Tiling

EXPERIENCE

Professional

Phoenix/M Property Management¹

Carpenter/General Maintenance Worker

Baltimore, MD 2021–2022 & 2024–Current
Worker for a small property management group in Fell's Point. Duties include designing and fabricating built-in renovations, repairing wooden structures and frames in historical homes, and also finish carpentry and drywall construction.

University of Ottawa Physics Department²

Teaching Assistant

Ottawa, ON, Canada 2022–2024
Developed and taught a physics undergraduate course. Also worked as a demonstration coordinator, fabricator, and repair technician for an introductory physics course.

The Canadian National Research Council²

Graduate Researcher

Ottawa, ON, Canada 2022–2024
Aside from research, responsibilities also include creating custom acrylic-metal laser enclosures and constructing the physical lab space.

Education

Masters of Science in Experimental Physics

University of Ottawa 2022–2024

Bachelors of Science in Physics

Bachelors of Science in Mathematics

University of Pittsburgh 2016–2020

Volunteer

Velocipede

Bike Mechanic/Instructor

Baltimore, MD

2024–Current

Volunteer at the Baltimore non-profit bicycle co-op. Duties include instructing patrons on and assisting patrons with repairing their own bicycles, refurbishing and evaluating donation bicycles and parts, and tabling to promote the non-profit at events.

Ottawa Tool Library

Safety and Woodworking Instructor

Ottawa, ON, Canada

2022–2023

Volunteer at the Ottawa Tool Library non-profit. Duties include assisting with instructing safety classes, and helping design a tripod lamp class (adapted from the previously-existing class at the Station North Tool Library in Baltimore, MD).

References

¹ **Gene Hare** — Head of Maintenance at Phoenix/M Property Management

Cell: (443) 653 3177

² **Dr. Jeff Lundeen** — Professor at University of Ottawa

Email: jeff.lundeen@gmail.com