

# Beckett Frey

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## Professional Summary

Aspiring developer with a passion for problem solving, strong Python skills, and hands-on experience in machine learning and deploying with Modal. Eager to contribute and grow in a collaborative development environment, regardless of stack.

## Education

**University of Wisconsin - Milwaukee**

September 2022 - May 2025

Bachelor's, Computer Science

GPA: 3.33

- Course Highlights (A-grade): Algorithm Design, Intro to Machine Learning, Computer Security

## Projects & Outside Experience

**Hyprchs**

**New York, NY, USA**

ML Engineer

December 2024 - April 2025

- Collaborated as a founding developer on an early-stage AI-powered chess tutor startup, contributing across product design, backend, and strategic planning.
- Overcame hardware limitations by leveraging Modal's serverless infrastructure for scalable compute.
- Increased chess piece detection accuracy to over 97% by implementing a YOLO-based computer vision model and fine-tuning algorithms in Python.
- Tech Stack: Python / Modal / Jupyter / LangGraph
- [Link to project](#)

**UPlant (capstone)**

**Milwaukee, WI, USA**

React Developer

December 2024 - May 2025

- Led frontend development of a React gardening maintenance app, applying Agile methodologies for sprint planning, prioritization, and rapid prototyping.
- Improved user engagement potential by designing an intuitive, accessible React frontend.
- Tech Stack: React.js / CSS / Docker / MySQL (some minor involvement)
- [Link to project](#)

**MyWebsite**

**Madison, WI, USA**

React-Vite-Tailwind Developer

May 2025 - May 2025

- Built and deployed a personal portfolio site (<https://beckettrey.com>) with dynamic content powered by the GitHub API.
- Designed for full mobile compatibility and easy configuration through external fetches.
- Implemented shell script for fast deployment.
- Tech Stack: React.js / Vite / Tailwind CSS / JSON
- [Link to project](#)

## Strengths & Interests

**Strengths:** JavaScript, Python, Django, UI/UX Design, Git, Agile, Docker, Jupyter, React.js

**Interests:** Hiking, Biking, Running, Secluded Natural Discoveries