

Beckett Frey

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Summary

Aspiring developer with strong proficiency in React and JavaScript, along with solid experience in Python and modern web development. Currently gaining hands-on experience in machine learning and serverless deployment using Modal. Eager to contribute to and grow within a collaborative team, with adaptability across the tech stack.

Education

University of Wisconsin - Milwaukee
Bachelor's, Computer Science

September 2022 - May 2025
GPA: 3.33

- Course Highlights (A grade): Machine Learning, Computer Security, Operating Systems, Mathematical Modeling

Professional Experience

Hyprchs

Founding Developer

New York, NY, USA

December 2024 - Present

- Collaborated as a founding developer on an early-stage AI-powered chess tutor startup, contributed 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

Projects & Outside Experience

UPlant

React Developer

Milwaukee, WI, USA

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 by designing an intuitive, accessible React frontend.
- Tech Stack: React / CSS / Docker / MySQL (with minor backend involvement)
- [Link to project](#)

Portfolio

Website Developer

Madison, WI, USA

May 2025 - May 2025

- Built and deployed a personal portfolio site (<https://beckettrey.com>) with dynamic content powered by the GitHub API.
- Mobile-first design with centralized, reusable configuration.
- Implemented shell script for fast deployment.
- Tech Stack: React / Vite / Tailwind CSS
- [Link to project](#)

Volunteering

- *Sep 2024 & Sep 2025* — Bartender for Fond Blanc Foundation's "[Rally on the Runway](#)" fundraiser, supporting event operations and helping raise funds for educational and nutritional programs in Haiti.

Strengths & Interests

Strengths: JavaScript, Python, React, UI/UX Design, Git, Agile

Interests: Chess, Swimming, Biking, Running, Secluded Natural Discoveries