

Beckett Frey

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Willing to relocate
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Summary

Software engineer and recent CS graduate who builds things that matter; with a sharp focus on DevOps, developer experience, and security, particularly in environments where data integrity and compliance are non-negotiable. Approaches AI-assisted development deliberately: leveraging automation where it earns trust, and knowing when it hasn't.

Experience

- 2025–Present **Research Intern**, *Waisman Center*, Madison, WI
- Developed VoxKit, a GUI application bridging state-of-the-art audio ML models and clinical research workflows
 - Designed CI/CD pipelines, establishing contributor norms that address the emerging distinction between human and agent authorship
 - Consolidated reproducible workflows across lab repositories, aiding a 20+ year longitudinal data collection effort
 - Implemented PHI-scanning tooling and data-leakage safeguards to protect sensitive research data across the full development lifecycle
- 2024–2025 **Junior ML Engineer**, *Hyperchess.ai* (Remote)
- Engineered synthetic data pipelines to train 25 object detection models, achieving over 99% accuracy via a mixture of experts
 - Leveraged Modal serverless compute to overcome local hardware limits and scale training

Familiar Technologies

Languages	Python, Bash, TypeScript/JavaScript, SQL, R
Frameworks	Django, LangGraph, Node.js, React, Next.js
Cloud/DevOps	Docker, GitHub Actions, AWS, Vercel, Modal
ML & AI	PyTorch, Anthropic SDK
Testing	Pytest, Vitest

Projects

- 2026 **Continuous Autonomy**, *Founder — Early-Stage Startup*
- Infrastructure startup rethinking the software development lifecycle, for a world where agents are collaborators
- 2025 **SpeechMine - Audio Formatting Toolkit**, *Faster-Whisper, PyAnnote, RapidFuzz, MCP*
- Converts raw recordings into searchable, speaker-labeled transcripts, replacing labor-intensive manual audio formatting workflows
 - Built an MCP server exposing toolkit commands as tools, enabling prompt-driven audio processing automation
- 2025 **ContextCaddy / MCP Cabinets**, *Python, Llama Index*
- RAG system with configurable vector indexing; paired Chrome extension for saving and retrieving text chunks in real time, for specialized domains
- 2025 **AI-Assisted Dev Tools**, *Python, LangGraph, GitHub Actions*
- Suite of focused developer tooling: Bonsai (.gitignore-aware tree viewer for AI/CI workflows), Headerizer (file path header stamper), CodeLibre (human-in-the-loop Git automation), Doc Weaver (LangGraph document hydration agent)

Education

May 2025 **B.S. Computer Science**, *University of Wisconsin–Milwaukee*, Milwaukee, WI

Honors: Dean's Honor List (Fall 2024, Spring 2025)

Coursework: Computer Security, Machine Learning, Algorithms, Operating Systems

Community & Involvement

- 2026–Present **Member**, **EDGI**, *Environmental Data & Governance Initiative*
- 2023–Present **Open-Source Contributor**, *Various Projects*
- Contributions to [OpenZeppelin](#), [AWS Powertools](#), [kobotoolbox](#),