

Christian Wilkins

christian.wilkins.careers@gmail.com | linkedin.com/in/christian-wilkins/ | github.com/christianwilkins | chriswiki.com

EDUCATION

Michigan State University

Bachelor of Science in Computer Science, Minor in Business - GPA 3.9

December 2025

East Lansing, MI

EXPERIENCE

Software Engineering Intern

June 2025 – August 2025

JPMorganChase

Columbus, OH

- Built an **AI-powered matching engine (scikit-learn, spaCy, PostgreSQL)** that streamlined internal job placements by analyzing employee skills and preferences, winning first place at JPMC Global Hackathon among 1000+ participants with measurable user impact.
- Optimized **AWS S3 data migrations** for enterprise-scale systems using **Python concurrent.futures** and **boto3**, reducing processing time by 95% and enabling faster deployment cycles for production workloads.
- Implemented **PactFlow contract testing** framework across microservices architecture, reducing cross-team integration issues by 90% and improving deployment reliability for millions of users.
- Collaborated with product teams to design user-facing features, participating in code reviews and contributing to technical architecture decisions for high-scale financial systems.

Software Engineering Intern

May 2024 – August 2024

Configura

Grand Rapids, MI

- Engineered custom sales extension features in **75M+ line proprietary codebase (C#/Java-like)**, collaborating directly with clients to deliver product functionality that enabled core business revenue growth.
- Pioneered novel hit detection algorithms for 3D modeled spaces, preventing impossible product configurations and enhancing user experience for thousands of daily active users in design workflows.
- Debugged complex performance issues in legacy codebase, optimizing memory usage and reducing application load times by 40% through targeted refactoring and algorithmic improvements.

Undergraduate Research Assistant

October 2023 – April 2024

Michigan State University

East Lansing, MI

- Developed **ML pipeline (Python, scikit-learn, NLP)** for auto-grading medical exams using HIPAA-compliant data processing, achieving 89% validation accuracy and reducing grading time from months to days.

President & Board Advisor

March 2024 – Present

Imagine Software

East Lansing, MI

- Led student organization growth from 60 to 350+ members through strategic outreach and product-focused initiatives, mentoring 10 engineering teams in full-stack development and product delivery.

PROJECTS

Notelify | Next.js, React, TypeScript, Node.js, Supabase

October 2023 – April 2024

- Developed full-stack web application using **Next.js, React, and TypeScript** with **Supabase PostgreSQL** backend, integrating Mozilla Speech-to-Text and **OpenAI APIs** for automated meeting transcription and AI-powered summaries.
- Delivered product that reduced student note-taking effort by 95% through intelligent automation, winning 'Best Use of AI' award and demonstrating clear user value and product-market fit.

hurricane | Go, Swift, MongoDB, Firebase

September 2024

- Architected real-time ride-sharing application with **Go backend and Swift iOS frontend**, implementing **scalable concurrent routing algorithms** and **MongoDB/Firebase** for persistent data storage, winning Waymo @ ShellHacks 2024.

RecycleMe | Flutter, Firebase, Python, PyTorch, OpenAI APIs

October 2023 – April 2024

- Led agile team of 5 engineers to build gamified recycling MVP using **Flutter/Dart frontend and Firebase backend**, implementing **GPT-Vision integration** for object recognition with 90% accuracy through custom dataset training.

SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, Go, Dart, HTML

Technologies: React, Node.js, Next.js, PostgreSQL, MongoDB, Firebase, AWS (S3, EC2, Lambda, RDS), Docker, Git, Flask, NumPy, scikit-learn

Concepts: Full Stack Development, Distributed Systems, AI/ML Integration, Product Development, Agile, CI/CD, Microservices, Data Structures & Algorithms