

Christian Wilkins

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EDUCATION

Michigan State University

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

May 2026

East Lansing, MI

EXPERIENCE

Software Engineering Intern

June 2025 – August 2025

JPMorganChase

Columbus, OH

- Developed an **AI-powered matching engine** (**scikit-learn**, **spaCy**, **PostgreSQL**) that streamlined internal job placements, winning first place at JPMC Global Hackathon out of **1000+ participants**.
- Optimized **AWS S3 data migrations** for concurrency by 95% using **concurrent.futures** and **boto3** in **Python**.
- Implemented **PactFlow & Jules contract testing**, reducing cross-team integration issues by 90%.

Software Engineering Intern

May 2024 – August 2024

Configura

Grand Rapids, MI

- Engineered a custom sales extension in a **75M+ line proprietary codebase (C#/Java-like)**, collaborating daily with clients to integrate new functionalities that directly enabled product sales.
- Pioneered novel **hit detection algorithms** for modeled spaces, preventing impossible configurations and enhancing UX.
- Navigated vast, undocumented system by proactively engaging senior engineers to ensure seamless integration.

Undergraduate Research Assistant

October 2023 – April 2024

Michigan State University

East Lansing, MI

- Processed HIPAA-compliant data to build **ML pipeline (Python, scikit-learn, NLP, CV)** for auto-grading medical exams.
- Achieved **89% validation accuracy**, reducing exam grading time from months to days using advanced ML techniques.

Board Advisor & President

March 2024 – Present

Imagine Software

East Lansing, MI

- Led organization growth by **100% to 350+ members** while overseeing **60 students in 10 development teams**.
- Managed internship-like experience with bi-weekly check-ins to guide project development and foster learning.

PROJECTS

hurricane | Swift, MongoDB, Firebase, Go, iOS

September 2024

- Architected and developed 'hurricane' (**Swift iOS frontend, Go backend**), a real-time ride-sharing app using **MongoDB and Firebase** for emergency evacuations, **winning Waymo @ ShellHacks 2024**.
- Implemented **scalable, concurrent Go routing** for multi-stop routes, optimizing continuous location tracking for emergency scenarios.

Notelify | Next.js, React, Supabase, Figma, Typescript

October 2023 – April 2024

- Developed Notelify frontend (**Next.js, React**) and integrated cost-effective **Mozilla Speech-to-Text API with OpenAI APIs** via prompt engineering for automated meeting summaries.
- Automated note-taking via **AI**, reducing student effort by 95%; won '**Best Use of AI**' award (\$100) at university hackathon.

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

October 2023 – April 2024

- Led **5-member agile team** to develop recycling MVP (**Flutter, Firebase**) in 90 days using **GPT-Vision** with **90% accuracy**.
- Gamified recycling experience with custom dataset and managed development using **Trello** for agile workflows.

SKILLS

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

Technologies: React.js, Next.js, Firebase, MongoDB, PostgreSQL, AWS (S3, EC2, Lambda, RDS), Docker, Git, Flask, NodeJS, scikit-learn, PyTorch, TensorFlow, OpenAI APIs

Concepts: AI/ML, Full Stack Development, Cloud Computing, Rapid Prototyping, Hackathon Development, Agile, Data Structures and Algorithms, Computer Vision, Natural Language Processing, Microservices Architecture