

Christian Wilkins

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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

- Developed **AI-powered matching engine** using **scikit-learn**, **spaCy**, and **PostgreSQL** that streamlined internal job placements, winning first place at JPMC Global Hackathon out of 1000+ participants by solving real user problems.
- Optimized **AWS S3 data migrations** by **95%** using **Python concurrent.futures** and **boto3**, improving application speed and scale for millions of records.
- Implemented **PactFlow contract testing** and **CI/CD pipelines**, reducing cross-team integration issues by 90%.

Software Engineering Intern

May 2024 – August 2024

Configura

Grand Rapids, MI

- Engineered custom sales extension in **75M+ line proprietary codebase**, collaborating daily with clients to integrate customer-facing features that directly enabled core product sales.
- Pioneered novel hit detection algorithms for 3D modeled spaces, preventing impossible configurations and enhancing user experience through improved product reliability.
- Navigated vast undocumented system, proactively engaging senior engineers to ensure seamless integration.

Undergraduate Research Assistant

October 2023 – April 2024

Michigan State University

East Lansing, MI

- Built **ML pipeline using Python, scikit-learn, NLP, and computer vision** for auto-grading medical exams, processing HIPAA-compliant data and achieving 89% validation accuracy.
- Reduced exam grading time from months to days while collaborating with medical professionals to ensure AI solutions met deployment requirements.

Board Advisor

March 2024 – Present

Imagine Software

East Lansing, MI

- Led organization growth to 550+ members (100% increase) while overseeing 60 students across 10 development teams.

PROJECTS

hurricane | Swift, MongoDB, Firebase, Go

September 2024

- Architected real-time ride-sharing app with **Swift iOS frontend** and **Go backend**, using **MongoDB** and **Firebase** for emergency evacuations, **winning Waymo @ ShellHacks 2024**.
- Implemented **scalable concurrent routing** for multi-stop evacuation routes with continuous location tracking.

Notelify | Next.js, React, JavaScript, OpenAI APIs

October 2023 – April 2024

- Developed full-stack note-taking app using **Next.js**, **React**, and **OpenAI APIs** for automated meeting summaries, reducing student effort by 95% and winning 'Best Use of AI' award.
- Integrated **Mozilla Speech-to-Text** with **Supabase backend** for real-time transcription and AI-powered summarization.

RecycleMe | Flutter, Firebase, OpenAI APIs, PyTorch

October 2023 – April 2024

- Led 5-member agile team to develop gamified recycling MVP using **Flutter**, **Firebase**, and **GPT-Vision APIs**, achieving 90% object recognition accuracy with custom **PyTorch** training.

SKILLS

Languages: JavaScript, Python, TypeScript, Java, C, C++, HTML, Dart, Golang, SQL

Technologies: React.js, Next.js, Node.js, Express, Firebase, Supabase, PostgreSQL, MySQL, MongoDB, AWS (S3, EC2, Lambda, RDS), Docker, NumPy, scikit-learn, PyTorch, OpenAI APIs, spaCy, Git, Flask

Concepts: AI/ML, Full Stack Development, Product Development, Agile, Data Structures and Algorithms, Cloud Computing, Microservices, RESTful APIs, Database Design, CI/CD, Contract Testing, Real-time Systems