Christian Wilkins

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EDUCATION

Michigan State University	December 2026
Bachelor of Science in Computer Science, Minor in Business - GPA 3.9	*East Lansing, MI*

EXPERIENCE

Software Engineering Intern — June 2025 – August 2025
JPMorganChase — *Columbus, OH*

- Developed an **AI-powered matching engine** using **Python, scikit-learn, and 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, demonstrating proficiency in **large-scale systems** and cloud technologies.
- Implemented **PactFlow contract testing** reducing cross-team integration issues by 90%, showcasing ability to deliver **well-tested, operable code** in collaborative environments.

Software Engineering Intern — May 2024 – August 2024
Configura — *Grand Rapids, MI*

- Engineered a custom sales extension in a **75M+ line proprietary codebase**, collaborating daily with clients to integrate new functionalities that directly enabled product sales.
- Demonstrated **strong communication skills** by proactively engaging senior engineers to navigate vast, undocumented systems and ensure seamless integration across teams.
- Pioneered novel hit detection algorithms for modeled spaces, preventing impossible configurations and enhancing user experience through innovative problem-solving.

Undergraduate Research Assistant — October 2023 – April 2024
Michigan State University — *East Lansing, MI*

- Processed HIPAA-compliant data for **machine learning pipeline** using **Python, scikit-learn, and NLP** to auto-grade medical exams, achieving 89% validation accuracy and reducing grading time from months to days.

Board Advisor & Former President — March 2024 – Present
Imagine Software — *East Lansing, MI*

- Led organization growth by 100% to 350+ members through targeted outreach and strategic initiatives, demonstrating **product sense** and ability to **manage ambiguity** in scaling operations.
- Oversaw internship-like experience for 60 students across 10 teams, providing mentorship and guidance while fostering collaborative learning environments.

PROJECTS

hurrycane | *Swift, MongoDB, Firebase, Go, iOS* — September 2024

- Architected and developed real-time ride-sharing iOS app using **Swift frontend and Go backend** with MongoDB and Firebase, winning Waymo @ ShellHacks 2024 through innovative emergency evacuation solution.
- Implemented **scalable, concurrent Go routing** for multi-stop routes with continuous location tracking, demonstrating understanding of **data structures and algorithms** in production systems.

RecycleMe | *Flutter, Firebase, OpenAI APIs, Python, PyTorch* — October 2023 – April 2024

- Led 5-member agile team to develop RecycleMe MVP using **Flutter and Firebase**, gamifying recycling through GPT-Vision object recognition with custom dataset achieving 90% accuracy.
- Managed project using agile methodologies and created comprehensive specification documents, fostering collaborative development environment and delivering end-to-end technical solutions.

Notelify | *React, Next.js, Supabase, TypeScript* — October 2023 – April 2024

- Developed full-stack note-taking application using **React and Next.js** with integrated Mozilla Speech-to-Text and OpenAI APIs for automated meeting summaries, reducing student effort by 95%.

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, C++, Go, Swift, HTML
Technologies: React, Next.js, Firebase, AWS (S3, EC2, Lambda), Docker, Git, MongoDB, PostgreSQL, scikit-learn, Flutter, iOS Development
Concepts: Data Structures and Algorithms, Machine Learning, Full Stack Development, Large-Scale Systems, Cloud Computing, Agile Development, Product Management