

Christian Wilkins

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EDUCATION

Michigan State University <i>Bachelor of Science in Computer Science, Minor in Business - GPA 3.9</i>	December 2026 East Lansing, MI
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EXPERIENCE

Software Engineering Intern <i>JPMorganChase</i> <ul style="list-style-type: none">Developed an AI-powered matching engine using scikit-learn, spaCy, and PostgreSQL with natural language processing for skills extraction that streamlined internal job placements, winning first place at <u>JPMC Global Hackathon</u> with 1000+ participants from cross-functional teams.Architected and optimized AWS S3 data migrations for concurrency by 95% using concurrent.futures, boto3, and multithreading in Python, processing 10TB+ financial data and reducing migration time from hours to minutes across enterprise applications.Implemented PactFlow and Jules contract testing framework with CI/CD pipeline integration, reducing cross-team integration issues by 90% and improving SDLC efficiency through automated testing protocols.	June 2025 – August 2025 Columbus, OH
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Software Engineering Intern <i>Configura</i> <ul style="list-style-type: none">Engineered a custom sales extension in a 75M+ line proprietary codebase (C#/Java-like) using object-oriented design patterns, collaborating daily with stakeholders and product managers to integrate new functionalities that directly enabled core product sales with \$2M+ revenue impact.Pioneered novel 3D spatial hit detection algorithms for modeled spaces using computational geometry, preventing impossible furniture configurations and enhancing user experience through improved problem-solving and analytical thinking in CAD systems.Navigated vast, undocumented legacy system through reverse engineering and code analysis, collaborating with senior engineers to ensure seamless integration and maintain backward compatibility.	May 2024 – August 2024 Grand Rapids, MI
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Undergraduate Research Assistant <i>Michigan State University</i> <ul style="list-style-type: none">Processed HIPAA-compliant medical imaging data for ML pipeline using Python, scikit-learn, OpenCV, and TensorFlow for automated medical exam grading, achieving 89% validation accuracy on 3000+ test cases and reducing grading time from months to days.Implemented computer vision and NLP algorithms for medical text analysis, collaborating with healthcare professionals to ensure clinical accuracy and regulatory compliance.	October 2023 – April 2024 East Lansing, MI
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Board Advisor <i>Imagine Software</i> <ul style="list-style-type: none">Oversaw internship-like experience for 60 students in 10 teams, demonstrating leadership and team collaboration skills through bi-weekly check-ins and mentoring, resulting in 100% growth with 350+ new members.	March 2024 – Present East Lansing, MI
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PROJECTS

hurricane <i>Swift, MongoDB, Firebase, Go, iOS</i> <ul style="list-style-type: none">Architected and developed hurricane (Swift iOS frontend, Go backend) using MongoDB Atlas, Firebase Auth, and Google Maps API for real-time ride-sharing during emergency evacuations, implementing WebSocket connections and winning Waymo @ ShellHacks 2024.	September 2024
Notelify <i>Next.js, React, Supabase, TypeScript</i> <ul style="list-style-type: none">Developed Notelify frontend using Next.js, React, and TypeScript with RESTful APIs and Supabase PostgreSQL, integrating speech-to-text and OpenAI GPT-4 APIs for automated meeting summaries, reducing student effort by 95% and winning Best Use of AI award.	October 2023 – April 2024
RecycleMe <i>Flutter, Firebase, OpenAI APIs, Python, PyTorch</i> <ul style="list-style-type: none">Led 5-member agile team to develop RecycleMe MVP using Flutter/Dart and Firebase in 90 days, implementing GPT-Vision for object recognition with 90% accuracy through custom dataset training and machine learning.	October 2023 – April 2024

SKILLS

Languages: Java, Python, C++, C#, JavaScript, TypeScript, Scala, SQL, NoSQL, Golang, Swift
Technologies: React, Angular, NodeJS, RESTful APIs, Firebase, AWS (S3, EC2, Lambda, RDS, DynamoDB), Docker, Spring Boot, Git, Flask, MongoDB, PostgreSQL, Kafka, Spark, Hadoop, WebSockets, TensorFlow, OpenCV
Concepts: Data Structures and Algorithms, SDLC, Agile, AI/ML, Computer Vision, NLP, Full Stack Development, Cloud Computing, DevOps, CI/CD, Microservices Architecture, Contract Testing, Fintech, Enterprise Integration