

# Christian Wilkins

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## EDUCATION

<b>Michigan State University</b> <i>Bachelor of Science in Computer Science, Minor in Business - GPA 3.9</i>	December 2025 East Lansing, MI
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## EXPERIENCE

<b>Software Engineering Intern</b> <i>JPMorganChase</i>	June 2025 – August 2025 Columbus, OH
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- 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 **Python concurrent.futures and boto3**, handling **large-scale distributed storage** operations across multiple systems.
- Implemented **PactFlow contract testing**, reducing cross-team integration issues by **90%** in a **microservices architecture**.
- Designed and deployed **RESTful APIs using Spring Boot** for internal tooling, serving **500+ daily users** across the organization.
- Collaborated with cross-functional teams to **maintain and improve critical software systems**, managing project priorities and deliverables in an agile environment.
- Debugged and resolved production issues in **distributed systems**, improving system reliability and reducing incident response time by **40%**.

<b>Software Engineering Intern</b> <i>Configura</i>	May 2024 – August 2024 Grand Rapids, MI
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- Engineered a custom sales extension in a **75M+ line proprietary CM codebase (C#/Java-like)**, collaborating daily with clients to integrate new functionalities that directly enabled the sale of their core product.
- Pioneered novel **hit detection algorithms** for modeled spaces in CM, preventing impossible configurations and enhancing user experience through **system-level problem solving**.

<b>Undergraduate Research Assistant</b> <i>Michigan State University</i>	October 2023 – April 2024 East Lansing, MI
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- Processed **HIPAA-compliant data** for **ML pipeline (Python, scikit-learn, NLP)** auto-grading medical exams, achieving **89% validation accuracy** and reducing grading time from **months to days**.

<b>Board Advisor</b> <i>Imagine Software</i>	March 2024 – Present East Lansing, MI
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- Oversaw a **software development mentorship program** for **60 students in 10 teams**, checking in bi-weekly to guide **full-stack projects** and ensure successful delivery.

## PROJECTS

<b>hurricane</b>   <i>Swift, MongoDB, Firebase, Go, iOS</i>	September 2024
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- 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.

<b>RecycleMe</b>   <i>Flutter, Firebase, OpenAI APIs, Python, PyTorch, TensorFlow</i>	October 2023 – April 2024
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- Led a 5-member agile team to develop RecycleMe MVP (**Flutter/Dart, Firebase**) in 90 days, gamifying recycling via **GPT-Vision for object recognition** and custom dataset (**90% accuracy**).

<b>Notelify</b>   <i>Next.js, React, Supabase, TypeScript</i>	October 2023 – April 2024
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- Developed Notelify frontend (**Next.js, React**) and integrated **Mozilla Speech-to-Text API with OpenAI APIs** for automated meeting summaries, winning '**Best Use of AI**' award.

## SKILLS

**Languages:** Python, C, C++, Java, JavaScript, TypeScript, Golang, Dart  
**Technologies:** AWS (S3, EC2, Lambda, RDS, DynamoDB), Linux, Docker, Kubernetes, Git, React.js, Node.js, Firebase, Flask, Spring Boot, MongoDB, PostgreSQL, NumPy, scikit-learn  
**Concepts:** Data Structures and Algorithms, Distributed Systems, Machine Learning, Natural Language Processing, Full Stack Development, Cloud Computing, Microservices Architecture, Large-Scale Systems, Software Design