

# 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 <i>East Lansing, MI</i>
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## EXPERIENCE

<b>Software Engineering Intern</b> <i>JPMorganChase</i>	June 2025 – August 2025 <i>Columbus, OH</i>
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- Developed an **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**.
- Optimized **AWS S3 data migrations** for concurrency by **95%** using **concurrent.futures** and **boto3** in **Python**, demonstrating expertise in **large-scale systems** and **distributed storage**.
- Implemented **PactFlow & Jules contract testing**, reducing cross-team integration issues by **90%** and ensuring **reliability of mission-critical systems**.

<b>Software Engineering Intern</b> <i>Configura</i>	May 2024 – August 2024 <i>Grand Rapids, MI</i>
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- 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 the sale of their core product.
- Navigated a vast, undocumented system, proactively engaging senior engineers to ensure seamless integration and demonstrate **exceptional programming skills** in complex environments.
- Pioneered novel hit detection algorithms for modeled spaces, preventing impossible configurations and enhancing user experience through **rigorous analytical approach**.

<b>Undergraduate Research Assistant</b> <i>Michigan State University</i>	October 2023 – April 2024 <i>East Lansing, MI</i>
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- Processed HIPAA-compliant data for **ML pipeline** using **Python**, **scikit-learn**, **NLP**, and **computer vision** to auto-grade 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 <i>East Lansing, MI</i>
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- Oversaw an internship-like experience for **60 students in 10 teams**, demonstrating **strong organizational and interpersonal skills** through bi-weekly check-ins and mentorship.
- Promoted and led as President, resulting in **100% growth with 350+ new members** through targeted outreach and strategic planning.

## PROJECTS

<b>hurricane</b>   <i>Swift, MongoDB, Firebase, Go, iOS</i>	September 2024
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- Architected and developed a real-time ride-sharing app using **Swift iOS frontend and Go backend** with **MongoDB and Firebase**, winning **Waymo @ ShellHacks 2024** for emergency evacuations.
- Implemented **scalable, concurrent Go routing** for multi-stop routes with continuous location tracking, demonstrating expertise in **high-performance systems** and **distributed architecture**.

<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 using **Flutter/Dart and Firebase** in 90 days, gamifying recycling via **GPT-Vision** for object recognition with custom dataset achieving **90% accuracy**.
- Managed project using agile methodologies, fostering collaborative environment for full-stack development and demonstrating **strong analytical and organizational skills**.

<b>Notelify</b>   <i>Next.js, React, Supabase, TypeScript</i>	October 2023 – April 2024
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- Developed Notelify frontend using **Next.js and React**, integrating Mozilla Speech-to-Text API with **OpenAI APIs** for automated meeting summaries, reducing student effort by **95%** and winning 'Best Use of AI' award.

## SKILLS

**Languages:** Java, Python, C, C++, JavaScript, TypeScript, Go, Dart  
**Technologies:** AWS (S3, EC2, Lambda, RDS, DynamoDB), Docker, Kubernetes, Spring Boot, React.js, Firebase, NumPy, scikit-learn, PostgreSQL, MongoDB, Git, Linux, Flask, NodeJS  
**Concepts:** Large-Scale Systems, Distributed Storage, High-Performance Computing, Machine Learning, Data Analysis, Cloud Computing, DevOps, CI/CD, Microservices Architecture, Contract Testing, Quantitative Analysis