Christian Wilkins

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EDUCATION

Michigan State University — December 2025
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*
- Built **Python** matching engine (scikit-learn, spaCy, PostgreSQL) to automate internal mobility, win the **JPMC Global Hackathon** out of 1000+ participants, and deliver 3x faster talent insights for recruiting partners.
- Scaled AWS S3 migrations 95% using **concurrent.futures** with **boto3**, shipped CloudWatch metrics, and unblocked mobility release trains with zero rollback incidents during 200+ nightly jobs.
- Rolled out **PactFlow** and Jules contract testing across partner APIs, cutting integration defects 90% and letting product squads demo mobility journeys weekly with confidence for recruiting stakeholders.

Software Engineering Intern — May 2024 – August 2024
Configura — *Grand Rapids, MI*
- Engineered custom sales extension inside 75M+ line proprietary CM codebase (**C#/Java-like**), pairing daily with consultants to deliver workflows that closed a flagship furniture contract.
- Mapped undocumented pricing, rendering, and persistence modules, creating diagrams and runbooks that let senior engineers review pull requests 50% faster and sustain sprint velocity during tight release cycles.
- Prototyped novel hit detection for modeled spaces, tracing collision math in the CM engine to prevent impossible configurations and drive a 30% drop in layout support tickets reported by client showrooms.

Undergraduate Research Assistant — October 2023 – April 2024
Michigan State University — *East Lansing, MI*
- Processed HIPAA-compliant datasets for NLP and computer vision pipeline (**Python**, scikit-learn), orchestrating ETL scripts that stabilized nightly training for automated medical exam scoring.
- Achieved 89% validation accuracy toward a 93% goal by tuning feature selection and hyperparameters, cutting grading turnaround from months to days and freeing clinicians to focus on high-risk exam reviews.

PROJECTS

hurrycane | *Swift, Go, MongoDB, Firebase* — September 2024
- Architected **hurrycane**, a Swift iOS and Go evacuation ride-share app backed by MongoDB and Firebase, earning Waymo @ ShellHacks 2024 for resilient routing under emergency-scale load testing.
- Implemented concurrent Go routing with vector heuristics to optimize multi-stop pickups, holding latency under 200ms while streaming live locations to Firebase clients and alerting drivers via push notifications.

RecycleMe | *Flutter, Firebase, GPT-Vision, Python* — October 2023 – April 2024
- Led five-person agile team to ship **RecycleMe** MVP in 90 days using Flutter, Firebase, and GPT-Vision, gamifying recycling journeys for campus pilots and mentoring teammates on sprint rituals.
- Designed custom dataset and classification pipeline reaching 90% accuracy, integrating Trello workflows and CI/CD checks to keep full-stack releases predictable for stakeholders and campus sustainability leads.

LEADERSHIP & COMMUNITY

Board Advisor & Former President — March 2024 – Present
Imagine Software — *East Lansing, MI*
- Directed Imagine Software's 350+ member community, coaching 10 product teams via bi-weekly reviews and analytics-driven outreach that doubled membership, kept retention above 90%, and strengthened cross-functional mentorship.

Claude Student Ambassador — August 2025 – Present
Anthropic — *Remote*
- Activated Claude Ambassador community by onboarding 120+ students through targeted outreach, campus events, and AI ethics forums that connected members with mentorship resources and sustained weekly engagement.

SKILLS

Languages: Python, Java, Go, Swift, C#
Frameworks: Flutter, Firebase
Tools: AWS (S3, EC2, Lambda, CloudWatch, RDS, DynamoDB), Trello
Concepts: Data Structures and Algorithms, Distributed Systems, Product Development, Agile Delivery, AI/ML