

Ryan Jackman

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EDUCATION

The Ohio State University

Columbus, OH

Bachelor of Science in Computer Science and Engineering | **GPA:** 3.86 / 4.00

Expected May 2027

- **Relevant Coursework:** Data Structures & Algorithms, Artificial Intelligence, Operating Systems, Computer Networking

EXPERIENCE

Software Engineer Intern

June 2026 – Present

Wells Fargo — CCIB Treasury, Merchant & Payments Technology

Charlotte, NC

- Contributing to a model-driven CRM on Microsoft Power Platform (Power Apps, Dataverse) used by the bank's Global Payments and Liquidity sales team, working within an Agile development workflow
- Decommissioning a deprecated product integration from the CRM's front end, removing and reworking affected views to streamline the interface as the legacy system is retired

Incoming Teaching Assistant

Aug. 2026 – Dec. 2026

The Ohio State University — CSE 5251: Intro to Software Startups (Dr. Arnab Nandi)

Columbus, OH

- Lead class sessions for 50–60 students and mentor teams through building an AI-powered software product end-to-end — ideation, MVP, and customer discovery — while advising on AI/ML integration and grading deliverables

Software Engineering Intern

May 2025 – Aug. 2025

Vertiv

Columbus, OH

- Developed a full-stack internal developer platform adopted by 15+ engineers to automate software packaging and deployment, using Vue.js, Express, and SQLite3
- Cut developer environment setup time by 40–60% by centralizing VM path configuration, credential management, and build execution behind a single web-based UI
- Consolidated a 6-step manual deployment pipeline into a one-click workflow, surfacing real-time build logs to accelerate debugging

PROJECTS

EyeDentify | BoilerMake XII Hackathon — Roboflow Challenge Winner

Feb. 2025

- Trained a custom object-detection model on Roboflow to detect eye-strain signals — redness, eye bags, and watery eyes — from webcam input, structuring the training pipeline as modular Roboflow Workflow stages
- Pivoted the project from an infeasible vein-detection concept to eye-strain detection after hitting data-availability limits, curating a training dataset from Kaggle sources to fit the redefined objective
- Built the React.js front end with a live webcam feed, Auth0 authentication, and a face-api.js blink-detection system, designed to surface real-time break reminders

Market Regime-Based Trading Strategy | SIAM2I / Nationwide Quantathon Winner

Mar. 2025

- Designed a supervised learning system that classifies market regimes (bull, bear, static) using Random Forest and logistic regression models in Python and scikit-learn, driving a strategy that dynamically rebalanced portfolios
- Engineered features from historical S&P 500 data and backtested the strategy across 2019–2022, achieving a 46.8% portfolio return with a 0.70 Sharpe Ratio

LEADERSHIP

President

2024 – Present

OHI/O — Ohio State's Hackathon Program

Columbus, OH

- Lead OSU's student-run hackathon program and a 20+ member executive board, overseeing HackOHI/O (800+ participants) and MakeOHI/O while coordinating sponsor relationships and year-round programming
- Directed MakeOHI/O 2026, OSU's largest student-run makeathon, growing attendance to an all-time record of 475 registrants and increasing project submissions 17% year-over-year (46 to 54)
- Secured 3 industry partners (AEP, Honda, Intel) for sponsored challenges and on-site representatives, and recruited 22 in-person mentors alongside a dedicated mentor networking event

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, SQL (PostgreSQL, SQLite3), x86-64 Assembly, HTML/CSS

AI & ML: scikit-learn, pandas, NumPy, OpenCV, Random Forests, logistic regression, computer vision, Roboflow

Frameworks & Libraries: React.js, Next.js, Vue.js, Node.js, Express, Tailwind CSS

Infrastructure & Tools: Git, GitHub, CI/CD workflows, VS Code, Google Colab, Vercel, Supabase, Microsoft Power Platform (Power Apps, Dataverse), Linux/Unix