

Ohta Kamiya

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EDUCATION

Case Western Reserve University

Cleveland, OH

Bachelor of Science in Computer Science, Minor in Math, Finance — GPA: 3.85/4.00

Expected: May 2027

- **Varsity Men's Soccer Player:** Academic All-District, Dean's High Honor List
- **Coursework:** Data Structures, Algorithms, Software Engineering, Programming in Java, Artificial Intelligence, Programming Language Concepts, Full Stack Web Development, Computer Security, Data Science Systems

EXPERIENCE

Undergraduate Research Assistant

Jan 2026 – Present

Case Western Reserve University

Cleveland, OH

- Collaborated with faculty and student researchers to co-develop **Python-based evaluation tooling** to assess the safety and reliability of LLM-based coding agents.
- Built scalable Python data pipelines to clean and **analyze 5,000+ GitHub issues** across multiple LLM-generated code scenarios.
- Engineered automated evaluation pipelines **integrating unit tests and static analysis** to detect subtle bugs and unsafe code changes.
- Analyzed outputs across multiple experimental runs to identify patterns in **failure modes** and share insights with team members to improve model safety.

Software Engineer Intern

May 2025 – Jan 2026

KOODAI INC.

Torrance, CA

- Designed and implemented a Python/Flask backend service integrating Shopify with Gmail SMTP, automating 100% of order notifications.
- Led transition from Amazon FBA to self fulfillment by connecting Shopify and ShipStation, **increasing order processing efficiency by 50% (100+ monthly orders)**.
- Automated cross-platform data synchronization between Shopify and QuickBooks, cutting manual accounting tasks by **20+ hours per month**.
- Built and maintained an internal inventory management system for **1,000+ units**, integrated with Shopify to automatically update inventory levels on each order.

PROJECTS

2025-2026 NFL Game Predictor | *Python, Pandas, Scikit-Learn, Matplotlib*

October 2025 – January 2026

- Trained **logistic regression model** to predict NFL game outcomes with **68% accuracy**, utilizing five seasons of team data.
- Cleaned and structured **1,680 games** of team data using **Pandas**, analyzing key win/loss trends and correlations.

2025-2026 Premier League Stats API | *Java, Spring Boot, PostgreSQL*

September 2025 – December 2025

- Built a **RESTful API in Java** using **Spring Boot** to serve 600+ player profiles with 15+ statistical metrics, backed by **PostgreSQL**.
- Designed a **normalized database schema with JPA entity relationships**, implementing efficient many-to-many mappings between players, teams, and match statistics.
- Implemented **filtering, sorting, and parameterized endpoints**, improving query speed and enabling flexible searches by name, team, or position.

OpenPages | *Vue, Express, MongoDB*

February 2025 – April 2025

- Engineered a full-stack journaling application with CRUD operations using **Vue.js, Express.js, and MongoDB** supporting **10+ users a week**.
- Integrated calendar-based navigation with RESTful API endpoints and deployed via Heroku with **automated CI/CD pipeline**.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, C/C++, Kotlin, HTML/CSS

Databases: PostgreSQL, MongoDB

Frameworks & Libraries: Spring Boot, JUnit, React, Vue.js, Node.js, Express, Pandas, Scikit-Learn, Matplotlib

Developer Tools: Git, AWS, Object-Oriented Programming, Unit Testing, Heroku, VS Code, ModelSim