

# Kaede Saho

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## EDUCATION

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### Cornell College

*Bachelor of Arts in Computer Science and Data Science* | GPA: 3.92

Mount Vernon, IA

Expected May 2027

**Honors:** Dean's List (December 2023 – Present), First-Year Computer Science Student Achievement Award

## EXPERIENCE

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### Embedded Software Engineer Intern

*CNH Industrial*

Oak Brook, IL

May 2026 – July 2026

### CS Research Intern | PyTorch, FastText, spaCy, Bi-LSTM, Jupyter Notebook

*Cornell Summer Research Institute, Cornell College*

Mount Vernon, IA

May 2025 – July 2025

- Achieved 89% accuracy predicting 223 fine-grained part-of-speech tags on 87,000 Scottish Gaelic tokens by implementing Bi-LSTM models with PyTorch and FastText embeddings
- Overcame low-resource language constraints by designing data preprocessing pipelines and optimizing model inputs for next-word prediction on a 1M-token dataset

## PROJECTS

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### SprintBoard | React, Typescript, Flask, Python, PostgreSQL, REST API

Jan 2026

- Built a full-stack project-management app with Kanban, Gantt, and list views with drag-and-drop task tracking
- Designed a REST API with role-based access, task dependencies, sprint assignment, and per-project notes and chat
- Implemented user registration, login, and profile photo upload

### Fittd - iOS Wardrobe & Outfit Builder | Swift, SwiftUI, Flask, Python, PostgreSQL, REST API, JWT

March 2026

- Built a full-stack iOS wardrobe app with a SwiftUI frontend and a Flask REST API backend
- Implemented background removal on clothing photos using a Python ML model (rembg) and stored user wardrobe data in a PostgreSQL database
- Designed an outfit builder with a layered mannequin view, filtering clothes by category, color, season, and occasion

### CompassQA - AI-powered Q&A system | Ollama, LangChain, Python, FAISS, Streamlit

August 2025

- Developed a RAG system using LangChain and Ollama to answer questions from the Cornell College "Compass" handbook (academic, residential, and financial policies)

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C, TypeScript, Swift, SQL, HTML, CSS, R
- **Frameworks & ML:** Flask, FastAPI, PyTorch, TensorFlow, scikit-learn, spaCy, LangChain
- **Data Analysis & Visualization:** pandas, NumPy, matplotlib, Tableau
- **Developer Tools:** Git, VS Code, Xcode, Linux, RStudio
- **Languages:** Japanese (native), English (professional), Korean (conversational)

## LEADERSHIP & ACTIVITIES

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### LEADS Program, Cornell College

September 2025 – Present

*Cohort Member*

Mount Vernon, IA

- Selected as one of 22 students for Cornell's competitive leadership development program, completing workshops in team building, emotional intelligence, and personal branding

## COURSEWORK

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Machine Learning, Computer Algorithms, Data Structures, Systems Software, Full-stack Development, Software Development Processes, iOS Application Development, Introduction to Data Science, Database Technologies for Analytics, Data Visualization, Advanced Regression