

# Andrew Wu

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## EDUCATION

### Cornell University

Ithaca, NY

*Bachelor of Science in Information Science, Minor in Business*

*Aug. 2022 – Dec 2025*

**Relevant Coursework:** Object-Oriented Programming and Data Structures, Data Science, Discrete Structures, Statistics, Business Intelligence Systems, Finance, Financial Statement Analysis, Financial Accounting, Financial Modeling

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, JUnit, Material-UI, TailWindCSS, FastAPI

**Developer Tools:** Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib

## EXPERIENCE

### Data Analyst Intern

May 2024 – August 2024

*TE Connectivity*

*Berywn, PA*

- Developed a Tableau Customer 360 Dashboard MVP to provide a unified view of customer data, enabling multi-tenant services for 10+ clients and supporting commercial cloud data transformation.
- Automated data governance and data pipelining by scripting rule-sets in Collibra Data Quality tool, saving 20+ hours of manual labor per week and improving data accuracy by 15%.
- Analyzed and optimized cloud infrastructure across AWS and Azure, reducing operational costs by 15% through resource resizing and automation.
- Resolved cloud-related incidents through root cause analysis, reducing downtime by 25%.

### Software Engineer Intern

May 2024 – August 2024

*MadMachine.ai*

*Los Angeles, CA*

- Developed a React web app using TypeScript to teach and apply ad-testing principles, creating an interactive platform with reference examples and evidence-based learning.
- Implemented a RESTful Go API featuring OAuth authentication, ChormaDB and Azure Cognitive Services integration.
- Integrated Python-based RAG and LLMs to dynamically generate and retrieve evidence-based ad-testing content, enhancing user engagement and understanding.

### Software Engineer Intern

May. 2023 – August 2023

*Entertainment Oxygen*

*Los Angeles, CA*

- Designed efficient algorithm and iOS components for a content recommendation feature system in an Agile team.
- Conducted iOS mobile app testing, increasing user engagement by 20%.
- Built an internal webapp for filtering and sorting potential leads for further sales development, saving SDRs 10 hrs/week. Presented data views cross-functionally and to senior leadership.

### Artificial Intelligence Research Assistant

July 2021 – May 2022

*Cal State Fullerton*

*Fullerton, CA*

- Developed a Vue.js interface for an autonomous wagon, integrating real-time data visualization and dynamic route mapping capabilities, improving navigation accuracy and reducing manual intervention by 20%
- Rebuilt internal Python package and GUI app to interact with a bespoke database, reducing query response times by 50% and achieving a 90ms query latency, significantly improving system performance and user productivity.

## PROJECTS

### MadMachine.ai | Python, Flask, React, PostgreSQL, Vercel

Jan 2024 – Present

- Developed a full-stack web application using RAG and LLMs with Flask serving a REST API with React as the frontend.

### Cornell ADHC Financial Dashboard | Tableau, SQL, Boomi, PowerBI

August 2024 – December 2024

- Cleaned, structured, and analyzed data from the College of Veterinary Medicine at Cornell University using SQL.
- Collaborated with business stakeholders to analyze and validate requirements for information system changes.
- Enhanced existing data models and code to improve business processes and end-user functionality.