

SKILLS

- **Programming Languages:** Python, Java, C, R, OCaml, Swift, MATLAB, SQL, Assembly, JavaScript, SAS
- **Analytics & Visualizations:** Streamlit, Tableau, Power BI, Plotly.ai, Loveable.ai, Excel, Google Analytics, Airtable, NLP, LLM
- **Software & Tools:** GitHub, Visual Studio, JIRA, Bitbucket, Notion, Figma, Canva, Slack, Google Colab, MS Office, Xcode, Rilo, Make, Visme, Webhook, WhatsApp API, n8n.io, Zapier, ElevenLabs, Pipedream

EXPERIENCE

Analytics Engineer Intern | Cornell Animal Health Diagnostic Center, QMPS
Ithaca, New York

June 2025 – June 2026

- Engineered 8 end-to-end ETL pipelines using Python (pandas, NumPy, Openpyxl) and Streamlit, handling data ingestion of zipped farm visit spreadsheets from 50 farms, applying data transformation and validation to standardize raw records, and loading structured outputs to Airtable, reducing workflow time from 1 day to under 10 minutes and improving data quality and consistency across all farms.
- Created interactive dashboards for client and internal use, visualizing key metrics, and supporting faster operational decision-making.
- Replaced paper-based farm tally sheets with a digital data-entry application for 5 staff members, enforcing data standardization and validation at the point of collection and eliminating 100% of manual entry errors
- Streamlined a 22-module bilingual milker training program using Visme and Airtable with workflow automation for quiz tracking, knowledge refresher reminders, and email/WhatsApp notifications via Meta WhatsApp API, currently in pilot with 100 users, with engagement metrics actively monitored via Google Analytics.
- Constructed an event-driven webhook pipeline using n8n and Meta WhatsApp Cloud API for real-time monitoring of automated message delivery, capturing error codes and delivery statuses for 100 learners during debugging and production
- Conceptualized and deployed an AI-powered pipeline orchestrating WhatsApp, n8n, Claude AI, Cloudinary, ElevenLabs, Airtable, and GitHub Pages, handling data ingestion of educator-submitted lesson cards with automatic AI classification, bilingual narration, and delivery to 100 learners via a mobile-first flip-card web app.

AI Challenge Participant | MoVi

March 2025 – April 2025

- Developed a 20-year quantitative forecasting model for U.S. grid infrastructure replacement, integrating asset retirement schedules, demand projections, and investment timelines, identifying optimal windows for new grid investment.
- Directed a 5-person cross-functional team using Claude.ai and Perplexity to align AI-powered modeling with strategic business objectives, earning AI Architect and Technical Leadership Excellence honors among 40+ participants for technical execution and cross-functional leadership, with strong use of visualization tools and AI modeling techniques.

AEA Data Editor | Cornell ILR Labor Dynamics Institute

January 2025 – May 2025

- Replicated 20+ academic research repositories in OpenICPSR, verifying 40-60 datasets using Stata, R, and MATLAB, flagging reproducibility failures before publication and clearing others for release.

Paragon One AI-Powered Product Discovery Extern | Paragon One

January 2024

- Conducted 20 user interviews and 5 usability testing sessions, identifying which website sections drove higher engagement than others and surfacing key signals regarding product profitability potential.
- Produced a product discovery report synthesizing qualitative insights and statistical analysis using Otter.ai, delivering recommendations that informed product prioritization decisions.

EDUCATION

Morgan State University | Baltimore, Maryland
Master of Science in Data Analytics and Visualization

Expected August 2027

Cornell University | Ithaca, New York
Bachelor of Science in Computer Science, Minor in Business

May 2026

Relevant Coursework: Machine Learning in Business, Artificial Intelligence, Probability and Statistics, Data Structures, Analysis of Algorithms, Deep Learning, Financial Statement Analysis

LEADERSHIP, AWARDS

Awards: Jacob's Scholar, Certificate of Excellence in Information Technology 2019, AI Architect, and Technical Leadership Excellence.

Leadership:

- Served as President, Vice President, Treasurer, and Marketing Manager of the Caribbean Students' Association Dance Ensemble.

PROFESSIONAL REFERENCE

- **Dr. Wolfgang Heuwieser** | Director of QMPS
Email: wh13@cornell.edu Number: 607-280-0954