Eliot W. Hiss

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WORK EXPERIENCE

WoolData — AI Data Engineer January 2026 - Present
- Design and implement automated data pipelines using Python and DuckDB to process large-scale infrastructure datasets.
- Build end-to-end reporting solutions that integrate with Google Workspace and Microsoft Office APIs.

Invicti — Data Analyst Intern May 2025 - August 2025
- Utilized Snowflake to perform complex SQL queries for extracting and analyzing client data from large datasets.
- Developed automated data pipelines generating Google Sheets audits that provide Customer Success Managers with actionable insights on client usage patterns, supporting data-driven client retention strategies.

Accenture — AI and Data Science Intern | *The Dock Innovation Hub, Dublin IE* June 2024 – August 2024
- Worked with Azure Document Intelligence to extract information from documents, developing a solution that improved data processing efficiency.
- Collaborated with team to optimize healthcare medication advertisements targeted to Health Care Professionals.
- Won third place in the Internpreneur program for developing an innovative project during the internship.

EDUCATION

Virginia Polytechnic Institute and State University 2021 – 2025
B.S. of Engineering, Computer Science *GPA: 3.3/4.0*

COLLEGE COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Computer Organization, Discrete Math, Linear Algebra, Combinatorics, Multivariable Calculus, Physics, Probability & Statistics
Awards: John and Abigail Adams Scholarship recipient, AP Scholar (4x), French Baccalauréat Recipient

SKILLS

Programming Languages: C/C++/C#, Python, Java, Kotlin, JavaScript/TypeScript, SQL, HTML/CSS
Tools & Technologies: Git/GitHub, Snowflake, DuckDB, Docker, AWS, Pandas, NumPy, Firebase, React, Node.js
Spoken Languages: English (Native), French (Fluent)

PROJECTS

Plant Disease CNN Classifier | *Python, TensorFlow/Keras, NumPy, Matplotlib, scikit-learn*
- Built a deep learning image classifier using CNN architecture to identify plant diseases from leaf images with 91% accuracy, incorporating preprocessing pipelines and cross validation to ensure model effectiveness across differing environmental conditions.

Flight Deal Aggregator | *Python, BeautifulSoup, Selenium, Pandas, SQLite*
- Created a real-time flight deal aggregator scraping data from multiple airline APIs and booking sites, implementing price prediction algorithms and an automated alert system that identified pricing anomalies and error fares, saving users an average of $120 per international booking.

ACTIVITIES

Lambda Chi Alpha Fraternity 2022 – 2025
Executive Committee Member
- Founding Father, actively participating in strategic planning and development.

Eagle Scout 2009–2021
Boy Scouts of America
- Organized and led 40 volunteers for the Forbes House Museum (National Historic Property).
- Recognized by the National Garden Club of America.