

# Sydney Ho

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## EDUCATION

### Cornell University

Ithaca, NY

B.S. in Computer Science, Minor: Operations Research & Financial Engineering

May 2025

Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Machine Learning, Information Retrieval Systems & Text Mining, Probability & Statistics, Optimization, Data Science, Stochastic Processes, Databases

## EXPERIENCE

### Meta

Burlingame, CA

Data Engineer Intern

May 2024 - Aug 2024

- Developed, tested, and launched new data pipelines for fact and dimensional tables using both internal data warehousing frameworks and ETL tools to build two source of truth datasets for Metaverse Horizon
- Resolved critical data infrastructure issues by identifying problems and implementing data quality checks for pipelines, ensuring consistent and reliable data flow across systems
- Collaborated with data infrastructure, engineering, and product teams to build business intelligence dashboard specifications and extend cross-platform ETL

### Cornell FinTech

Ithaca, NY

Product Manager

Oct 2023 - Present

- Led ideation, research, and development of a web app using natural language processing and generative artificial intelligence to transform earnings calls into automated reports to increase the efficiency of financial analysts
- Spearheaded user and market research, competitor analysis, and prototyping with Figma, resulting in a more streamlined group workflow and efficient development timeline
- Created and presented a product case study to top companies (e.g., Millennium, LinkedIn, Cisco, Broadridge) at project showcases and hackathons, gaining exposure and receiving positive feedback for innovative solutions
- Developed frontend for the AI Earnings Call app using TypeScript and React, connecting to MongoDB for NoSQL data storage, leading to a scalable minimum viable product and continuous development

### Fidelity Investments

Jersey City, NJ

Data Engineer Intern

Jun 2023 - Aug 2023

- Utilized Snowflake SQL queries and ETL processes to extract, clean, and analyze annual Wealthscape single sign-on and server-to-server alert data
- Designed and implemented a streamlined data pipeline for 30+ server-to-server alerts to reduce processing time and centralize data for business intelligence usage
- Developed and launched Tableau analytics dashboards to analyze and predict user behavior trends by leveraging time series forecasting models on integration usage data from 50+ firms
- Collaborated with a cross-functional team of software engineers, business analysts, and data scientists to create a comprehensive project requirements document for Tableau dashboards

### IoT Nation

New York, NY

Data Engineer Intern

Jun 2022 - Aug 2022

- Implemented company tagging system using natural language processing to tag 1000+ startups on industry
- Built basic ETL pipeline that takes in funding news articles and tweets from aggregator and extracts company and funding data to use for funding news stream mobile application
- Participated in daily standups and worked with a small team of engineers and team lead in an agile development process to develop a minimum viable product

## PROJECTS

- [Cosmetics Recommender](#) - Information retrieval system that provides a curated skincare routine queried from MySQL database given user preferences built using Flask, MySQL, and JavaScript
- [Airbnb Analysis](#) - Analyzes and predicts pricing and demand of Airbnb listings using regression analysis and time series forecasting
- [Publications Dataset Analysis](#) - Applies NLP techniques and clustering algorithms to publications dataset to construct visualizations for and predict conference topics

## SKILLS

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

**Libraries & Frameworks:** React, Flask, MySQL, PostgreSQL, Presto, Dataswarm, MongoDB, scikit-learn, PyTorch

**Tools & Methodologies:** Git, Tableau, Excel, Jira, Confluence, Agile, Snowflake, EDA, ETL, A/B Testing, Figma, Data Warehouses, Apache Hive, Dimensional Modeling, Data Orchestration