

ANDREW HAH

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EDUCATION

University of Chicago

Chicago, IL

Expected 2026

- *B.A. Candidate in Mathematics and Economics*
- **Relevant Coursework:** Honors Calculus (IBL) I-III, Systems Programming I-II, Abstract Linear Algebra

WORK EXPERIENCE / PROJECTS

Satellite Imagery to Predict House Prices – Project

[Project Link](#)

- Procured houses dataset through web-scraping of online real estate marketplace Zillow; data cleaning included discarding missing data points and managing outliers, resulting in a refined and reliable dataset of 7k+ houses.
- Engineered a combined, hybrid neural network, model integrating both tabular data and image data, leveraging the powerful feature extraction capabilities of a pre-trained Inception model for more nuanced insights.
- Tech Stack: Python, PyTorch, Sckit-learn, Pandas, Numpy, Matplotlib, Google Maps API

Oedo Group | *Data Science Intern*

Jun 2023 - Aug 2023

- Conducted research to identify inefficiencies in a transportation system for tourists; gathered and analyzed travel data including boat timings, passenger volume, and seasonality to identify patterns affecting wait times.
- Designed and helped implement a random forest model tailored to minimize wait times; collaborated closely with software engineers and operations teams to ensure the viability of the model.

Cornell University | *Researcher*

Jul 2022 - Mar 2023

- Directed research under Professor Parfait Eloundou-Enyegue, professor at Cornell University.
- Conducted a comprehensive examination of the factors contributing to declining mental health among college students in the U.S. utilizing ordinary least squares regression models and statistical analysis.
- Discovered new quantitative evidence for the non-linear relationship between time spent studying and depression, and the interaction effect of students' years in school over the relationship between gender and depression level.
- Authored 25-page research paper which was accepted to and presented at the 2023 Sociology of Education Open Session hosted by the American Sociological Association (ASA).

LEADERSHIP & ORGANIZATIONS

Maroon Capital | *Analyst*

Oct 2023 - Present

- Actively participated in weekly lectures and hands-on workshops on quantitative finance, statistics, asset classes, financial accounting, trading strategies, and options & derivatives

Math/Science Tutoring | *President* [10-12th Grade]

Sep 2020 - Jun 2022

- Provided weekly training and orientation to new tutors in addition to leading regular planning sessions for events.
- Worked to provide individualized assistance to 60+ students in math and science coursework throughout the school year.

SKILLS & INTERESTS

Programming Languages: Python, Java, Javascript, HTML, CSS, SQL

Frameworks & Libraries: Tensorflow, Keras, PyTorch, NumPy, pandas, React

Interests: Squash, Tennis, Poker, Abstract Art, Fashion, Philosophy