ANDREW HAH

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EDUCATION

University of Chicago   **Expected 2026**
- *B.S. Candidate in Mathematics, Computer Science*
- Cumulative GPA: 3.8/4.0
- **Relevant Coursework:** Honors Calculus (IBL) I-III, Systems Programming I-II, Abstract Linear Algebra

RESEARCH/WORK EXPERIENCE

UChicago Department of Computer Science | *Research Assistant*   **Mar 2024 - Present**
- Advised by Professor Junchen Jiang
- TBD

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 Department of Global Development | *Researcher*   **Jul 2022 - Mar 2023**
- Advised by Professor Parfait Eloundou-Enyegue
- 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.
- Research paper accepted to and presented at the 2023 Sociology of Education Open Session hosted by the American Sociological Association (ASA).

PROJECTS

Satellite Imagery to Predict House Prices   **[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

EXTRACURRICULAR ACTIVITES

Maroon Capital | *Analyst*   **Oct 2023 - Present**
- Actively participated in weekly lectures and hands-on workshops on quantitative finance.
- Capstone Project: Analyzed X (Twitter) post metrics, automating trades based on a calculated "engagement ratio."

SKILLS & INTERESTS

Programming Languages: C, Python, Java, Javascript, HTML, CSS, SQL
Frameworks & Libraries: Tensorflow, Keras, PyTorch, NumPy, pandas, React
Interests: Squash, Tennis, Poker, Abstract Art, Fashion, Philosophy