# ANDREW HAH

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## EDUCATION

**The University of Chicago**                                                                    **Expected 2026**
- *Bachelor of Arts in Mathematics*
- Relevant Coursework: Honors Calculus (IBL), Systems Programming, Object-Oriented Programming, Statistics and Regression Models

**New York University Stern School of Business**                                                **2022 - 2023**
- GPA: 3.93/4.00, *Dean's List*

## 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**
- Research conducted 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 ACTIVITIES

**Math/Science Tutoring President**, Kent School [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.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, Javascript, HTML, CSS, SQL
**Frameworks & Libraries:** Pytorch, React, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn