

## EDUCATION

Carnegie Mellon University  
**B.S. in Statistics & Data Science**, December 2025  
Concentration in Psychology  
GPA: 3.5

Pittsburgh, PA

### **Relevant Coursework**

Statistical Methods in Epidemiology	Causal Inference	Probability Theory
Statistical Machine Learning	Statistical Graphics and Visualization	Meta-Analysis
Advanced Methods in Data Analysis	Statistical Computing	Modern Biology
Modern Regression	Statistical Inference	

### **Honors**

Dean's List, High Honors: Fall 2022, Spring 2025, Fall 2025  
Dean's List: Spring 2023, Spring 2024

## RESEARCH EXPERIENCE

### **UnitedHealth Group Bridges to Healthcare Technology Research Program, Carnegie Mellon University**

Pittsburgh, PA

#### *Research Intern*

Summer 2025

- Conducted exploratory data analysis (EDA) and regression modeling to identify predictors of obesity in a team project; presented results to UHG professionals and cohort members to inform potential interventions.
- Performed k-means clustering and EDA on COVID-19 case and death trends across Pennsylvania counties in a team project; presented findings to cohort members.
- Engaged in workshops and mentorship sessions with UHG professionals, gaining hands-on experience in healthcare analytics and data-driven decision-making.

### **Optimized Algorithms and Knowledge (OAK) Lab, Carnegie Mellon University**

Pittsburgh, PA

#### *Research Assistant*

Spring 2023 – Fall 2025

- Applied text analysis and clustering techniques to extract structured insights from 10,000+ qualitative participant responses.
- Implemented multilevel modeling on data from 150+ participants to evaluate effects of rule matching and interleaved pretraining on learning outcomes.
- Created 20+ visualizations and executed statistical tests on learning outcomes in R, including analyses of blocked vs. interleaved training and learning support, and prepared weekly progress reports to communicate findings.
- Designed and analyzed Qualtrics survey comparing learning methods and motivation, synthesizing results and visualizing trends in Excel.
- Anonymized and organized 200+ test papers, ensuring compliance with privacy standards by labeling, scanning, and uploading them to a shared drive.

## TEACHING EXPERIENCE

### **Research Methods in Cognitive Psychology, Carnegie Mellon University**

Pittsburgh, PA

#### *Teaching Assistant*

Spring 2025

- Instructed 8 students in debugging R code, conducting analyses, and interpreting statistical results during office hours and lectures, while managing a full academic schedule.

## PROFESSIONAL EXPERIENCE

### **Zhong Ou Asset Management Intl**

Hong Kong

#### *Financial Research Intern*

Summer 2024

- Produced Excel visualizations to compare investment performance using advanced formulas, pivot tables, and conditional formatting.
- Compiled monthly outlook reports summarizing China's economic indicators and competitor analysis to support strategic planning.

## VOLUNTEER AND LEADERSHIP EXPERIENCE

---

<b>Students Using Data for Social Good, Carnegie Mellon University</b>	Pittsburgh, PA
<i>Data Analyst</i>	Spring 2024 – Spring 2025
<ul style="list-style-type: none"><li>Applied statistical analyses (Fisher's exact test, Kruskal-Wallis test, survival analysis) on healthcare data from 600+ clients with developmental disabilities, identifying patterns in medication errors and risk factors.</li><li>Generated 8+ visualizations and data reports, translating findings into actionable insights that guided nonprofit stakeholders in improving service delivery and resource allocation.</li></ul>	
<b>Cognitive Science Student Advisory, Carnegie Mellon University</b>	Pittsburgh, PA
<i>Executive Board Officer</i>	Fall 2023 – Fall 2025
<ul style="list-style-type: none"><li>Organized and promoted 10+ academic and social events, including guest lectures and networking opportunities that connected undergraduates with graduate students and faculty.</li><li>Launched the Boba Finals Pickup, a recurring end-of-semester event, providing peers with boba as a morale booster and fostering informal community interaction during finals.</li><li>Interviewed and onboarded 5 new board members; mentored 5 students in the statistics/data analytics track on navigating coursework and identifying research opportunities.</li></ul>	

## PROJECTS

---

<b>Developmental trajectories of racial attitudes in young children</b>	Fall 2025
<i>Class Project – Undergraduate Capstone</i>	
<ul style="list-style-type: none"><li>Collaborated with a teammate to analyze longitudinal trends in children's racial attitudes using EDA, logistic, and multinomial regression in R, presenting weekly/biweekly progress to our advisor and client and delivering final project materials including a poster, report, presentation, and recorded summary.</li></ul>	
<b>Mental Health Outcomes of COVID-19 Graduates</b>	Spring 2025
<i>Class Project – Data Science in Psychology and Neuroscience</i>	
<ul style="list-style-type: none"><li>Evaluated 100+ participant survey responses to assess mental health differences between the undergraduate classes of 2020 and 2021; developed and applied statistical modeling (PCA, logistic regression) and sampling (bootstrap) techniques in R to build and validate five predictive models for mental health outcomes.</li></ul>	
<b>Gender Stereotype Threat Interventions and Academic Performance</b>	Spring 2024
<i>Class Project – Research Methods in Meta-Analysis</i>	
<ul style="list-style-type: none"><li>Worked with a team to investigate how gender stereotype threats affect academic outcomes through a meta-analysis of 117 studies; articles were screened together, then effect sizes were independently extracted from 13 peer-reviewed articles and analyzed in R to produce an individual research paper summarizing finding.</li></ul>	
<b>Gender Stereotype Threat and Memory Performance in a Heading-Recall Task</b>	Spring 2024
<i>Class Project – Research Methods in Cognitive Psychology</i>	
<ul style="list-style-type: none"><li>Teamed with three classmates to design and conduct a heading-recall task testing memory performance under gender stereotype threat (35 participants, 1,400+ trials); built the experiment in Gorilla, cleaned data in Excel, and performed ANOVA analyses in Jamovi; presented results at the CMU Department of Psychology undergraduate research poster session.</li></ul>	

## SKILLS

---

<b>Programming &amp; Data Analysis</b>	
<ul style="list-style-type: none"><li>R: tidyverse, data.table, caret, survival, statistical modeling, markdown reporting</li><li>Python: Basic knowledge of pandas and numpy</li><li>SQL: PostgreSQL querying, relational database management</li></ul>	
<b>Research Tools &amp; Experimental Design</b>	
<ul style="list-style-type: none"><li>Qualtrics, Gorilla: Survey and experimental protocol design, randomization, data collection</li><li>LaTeX: Scientific writing and formatting</li><li>GitHub: Version control and collaborative coding</li><li>Excel: Pivot tables, advanced formulas, conditional formatting, charts</li><li>Jupyter Notebook: Integrated R/Python for reproducible workflows</li><li>Quarto: Markdown reporting, presentations</li></ul>	
<b>Languages</b>	
<ul style="list-style-type: none"><li>English (Native), Mandarin Chinese (Heritage Proficiency), Spanish (Limited Proficiency)</li></ul>	