

Ethan Alwaise

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[Publications](#)

EDUCATION

BrainStation | Diploma, Data Science

JAN 2024 - APRIL 2024, NEW YORK, NY

University of California, Los Angeles | Ph.D. in Mathematics

SEP 2017 - JUN 2023, LOS ANGELES, CA

Emory University | B.S./M.S. in Mathematics

AUG 2013 - MAY 2017, ATLANTA, GA

AWARDS

NSF Graduate Research Fellowship Program

APR 2016

Barry M. Goldwater Scholarship

MAR 2016

SKILLS

Python, mySQL
Pandas, NumPy, Scipy, Scikit-learn,
Matplotlib, Seaborn

PROJECTS

BrainStation Capstone

APR 2024

Conducted analytics and modeling on data dumped by the Stack Exchange. Built machine learning models to predict if a question posted on site will be answered within a week and used time-series analysis to predict future posting activity.

Obstacle Studio

NOV 2023

Developed a GUI in Python using the PyQt6 framework. The app helps Starcraft players design custom maps.

EXPERIENCE

Mathematics AI Trainer | Character.AI

JUL 2024 - PRESENT

Developed mathematical educational content for use by AI.

Teaching Assistant | BrainStation

JUN 2024 - PRESENT

Graded assignments and held office hours for data science bootcamp students.

Teaching Assistant | University of California, Los Angeles

SEP 2018 - JUN 2020, SEP 2022 - JUN 2023

Held office hours and discussion sections to help undergraduate math students solidify their understanding of course material. Classes taught: number theory, linear algebra, calculus, real analysis, complex analysis.

REU Student | University of Minnesota, Twin Cities

JUN 2016 - AUG 2016

Worked with a team on a combinatorial research problem under faculty supervision, resulting in a published [paper](#).

REU Student | Oregon State University

JUN 2015 - AUG 2015

Worked with another student on a research problem in number theory under the supervision of a professor, resulting in a published [paper](#).