

ETHAN QIU

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EDUCATION

University of California, Berkeley

Bachelor of Arts in Data Science

GPA: 3.925

Berkeley, CA

Expected Jun 2028

- **Relevant Coursework:** Data 100, CS61A (Structure of Computer Programs in Python), CS61B (Data Structures in Java), Linear Algebra, Intro to Data Science, Multivariable Calculus
- **Tools and Languages:** Python, Java, Git, GitHub, Vim, Pandas, SQL, Tensorflow, scikit-learn, NLTK, NumPy, Matplotlib, Jupyter

Lowell High School, San Francisco

GPA: 4.45/4.00

San Francisco, CA

Aug 2020 - May 2024

- **Activities:** Investment Club, Lowell Project Code, Lowell Dragon Boat, Chess Club
- **Relevant Coursework:** AP Calculus BC, AP Statistics, AP Computer Science A, AP Physics C

WORK & PROFESSIONAL EXPERIENCE

Kurma AI

Data Analyst Intern

San Francisco, CA

Feb 2025 – Present

- Performed preprocessing data analysis and on research papers and pdfs using Python, RegEx, and pymupdf4llm.
- Assisted in developing and maintaining databases and other strategies that optimize statistical efficiency and quality.
- Helping interpret data, analyze results using statistical techniques, and prepare ongoing reports.

Dumpling Depot Restaurant

Office Assistant

Sunnyvale, CA

Jun 2022–Aug 2022

- Redesigned a new catering website via Java-script and on wix.com, and created a new menu option on the website.
- Prepared invoices weekly to upload to OneDrive in chronological order and organized miscellaneous invoices.
- Created an invoice management system (OCR) and increased website monthly sales by ~10% through catering extension.

AP Calculus BC Tutor

Independent - Part-time

Berkeley, CA

Jan 2025–Present

- Provided 1 on 1 online tutoring to high school students, focused on topics such as integration and differential equations.
- Utilized various teaching methods and online resources to enhance student understanding and engagement.

BIG Summer Day Camp

Camp Counselor

San Francisco, CA

Jun–Aug 2020–2024

- Led activities that encouraged collaboration and confidence to ensure campers were engaged creatively and cooperatively
- Practiced conciseness, projection and confident body language while speaking publicly and giving instructions.

LEADERSHIP & EXTRA CURRICULAR EXPERIENCE

Lowell High School Investment Club

Founder, President

San Francisco, CA

Sep 2021 – May 2024

- Spearheaded the club creation by running petitions, assembling a board, finding sponsors, writing a mission statement
- Researched and presented bi-weekly on investment topics to increase the financial literacy of high school students
- Hosted investment competition as a culminating project testing financial skills gained over the year with a cash prize
- Connected with other San Francisco public school Investment Clubs to share online learning resources

Lowell Project Code

Secretary

San Francisco, CA

Sep 2023 – May 2024

- Facilitated meaningful discussions on upcoming projects, competitions and general coding concepts/advice.
- Organized hackathons fostering a dynamic environment of knowledge-sharing and skill development among members

PROJECTS

Sequential Neural Network from Scratch | (NumPy, Python, Pandas, Kaggle)

Jan – Feb 2025

- Created a 2 hidden layer sequential neural network from scratch using NumPy on the MNIST dataset in csv form
- Applied ReLU and SoftMax activation functions in forward and back propagation in order to train the model.
- Learned the math behind the cost function and its partial derivatives to update weights and biases in backpropagation.