

Corwin Cheung

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EDUCATION

Harvard University, Cambridge, MA

May 2026

AB/MS program, BA in Computer Science + Philosophy, MS in Computer Science

GPA: **3.91/4.0**

Coursework: [Math 55a](#): Abstract Algebra and Group Theory | [Math 55b](#): Real and Complex Analysis | [CS 61](#): Systems Programming | [CS 124](#): Data Structures and Algorithms | [CS 121](#): Intro Theoretical CS | [Stat 110](#): Intro Probability | [CS 191](#): Classics of Computer Science | [CS 91R](#): Supervised Research
(All Grad School) [CS 242](#): Computing at Scale | [CS 226R](#): Algorithmic Fairness | [CS 209A](#): Data Science
Societies: Treasurer for [Harvard Chess Club](#), Quantum Computing Association, Software Staff for [HMMT](#)

Massachusetts Institute of Technology, Cambridge, MA

2024 - 2026

Cross-Registered Graduate Student in Computer Science

GPA: **5.0/5.0**

Coursework: [6.5210](#)/6.854: Graduate Advanced Algorithms

Columbia University, New York, NY

2020 - 2022

GPA: **3.93/4.0** (dual enrolled during high school) ACT: **36**

Coursework: Applied Data Science (Grad School) | Applied Statistical Computing | Introduction to Statistics | Applied Linear Regression

EXPERIENCE

OpenAI *Member of Technical Staff*

May 2025 - Present

Air Force Research Lab *AI Research Intern*

Jun 2024 - Feb 2025

- Designed and optimized deep learning models (MobileNet, SqueezeNet, U-Net, etc) for edge computing
- Using a neuromorphic chip to modulate electromagnetic properties, reducing energy consumption by 98.6%
- Presented research on vision models to over 100 experts from IBM, CMU, MIT LL, and Lockheed Martin

Flowcode *Machine Learning Engineer Intern*

Jun 2023 - Dec 2023

- Automated classification model retraining with drift detection tests, reducing manual intervention by 80%
- Developed text clustering pipelines using UMAP and HDBSCAN, integrating metrics like DBCV loss
- Fine-tuned generative models (Stable Diffusion, ControlNet) to create unique QR codes

Harvard Product Lab *Case Team Lead*

Dec 2022 - Dec 2023

- Led a 5-member team researching customer segments for a 20B+ company's inbound marketing strategy
- Mentored talent—team members went on to hold product roles at Tesla, Google, and Spotify

Discern AI *Software Engineer Intern*

Jun 2022 - Aug 2022

- Engineered full-stack data analytics solutions using Python and React to streamline data processing
- Built a Slack bot that lets the sales team fetch revenue forecast predictions and model coefficients
- Designed regression tests through database queries and API payloads to ensure system reliability

RESEARCH/PROJECTS

Sabatini Lab/Kempner Institute *Neuroscience/ML Researcher*

Jan 2024 - May 2025

- Trained and interpreted transformers on decision sequences. Built out a [20,000 line codebase](#) from scratch
- Studied a [neurobiological data inspired metric](#) to analyze mechanisms of learning in Artificial Networks

Black Hole Initiative *Astrophysics/ML Researcher*

Aug 2023 - Jun 2024

- Streamlined computer simulations of accretion disks data to obtain novel discoveries
- Developed Physics Informed Neural Networks to model [General Relativity Magnetohydrodynamics](#)

MJ Lab *System Dynamics Text/Trend Researcher*

Jun 2023 - Sept 2023

- Processed data from docx files and tested for statistical significance for virtual vs hybrid conferences
- Employed sentiment analysis, LDA, NER, and TF-IDF Vectorization to mine [text for insights](#)

Skills/Certifications

[CompTIA Security+ Certified](#), Python, React, C#, R, C++, 4x AIME qualifier, HTML/CSS, PHP, SQL, Airflow, Jira, AWS EC2, Docker, Github, FreeCodeCamp ([Web-Design](#), [Scientific Computing](#), [JS Algos/DS](#))

Interests

Ironman (Texas 2024), [Reading](#), Tennis, Basketball, Poker, Chess, Billiards, Computer Science Theory, Daoism