

Anthony Jiang

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🎓 Education

Yale University

BS Computer Science, graduating May 2023

- > Coursework: Intensive algorithms, Cryptography, Systems Programming, Networking systems, Vector Analysis, Data Structures, Discrete Math, Probability Theory

GPA: 3.83
New Haven, CT

🏢 Experience

Meta

SWE Intern, FB iOS Messaging Client Infra

- > Designed and implemented migration of FB's iOS Messaging Link Preview (1.09 Million hits/day) in Obj-C++ to a SQL-based messaging framework, producing 23% latency wins in public testing
- > Led collaboration with Messenger and Infra to implement SQL schema changes and backend data fetch upgrades for legacy link scraping code

May 2022 - Current
Menlo Park, CA

Yale CPSC 433 Computer Networking

Undergraduate Learning Assistant (ULA)

- > ULA for 50-person 4th-year CS elective, wrote and graded midterm and final long-answer questions, led weekly office hours, ran exam review sessions

Jan 2022 - May 2022

SESCO Enterprises

SDE/Quant Developer Intern, Electricity Futures Desk

- > Designed and implemented simulation framework to backtest novel graph-based auction strategies for the MISO FTR auction in python and nim, generating projected 14% returns.
- > Designed and implemented backend, data schema, and data pipeline using MongoDB with Redis caching to reduce backtest time by 80% while halving memory usage
- > Led integration of other intern's statistical pipeline work into simulation framework

Jun 2021 - Aug 2021
Pittsburgh, PA

Yale Tech for Conservation Lab

ML Research Assistant, PI: Aaron Dollar

- > Implemented ResNets in Tensorflow2 to classify the reproductive status of Herbarium samples with >95% accuracy, conference paper accepted at [2021 Biodiversity Information Standards \(TDWG\) conference](#)
- > Developed Mask-RCNN, SVM, and PCA classifier pipelines for segmenting 110,000 images

Jan 2020 - December 2021
New Haven, CT

OpsRamp

Data Engineering Intern, Alert Correlation

- > Implemented and profiled multiple NLP techniques for classification of machine log alerts
- > Designed and implemented grid-search, analysis, and visualization API in python and bash, reducing parameter tuning time by over 80%

Sept 2020 - Jan 2021
San Jose, CA (remote)

🕒 Activities

Yale CS Department Student Advisory Council (DSAC)

Board Member

- > Leading initiative for creating paid upperclassmen mentor/department liaison positions to improve advising for >200 underclassmen

May 2022 - Aug 2022

Yale Computer Science Society

Events team member

- > Organized and sponsored speaker events with IBM Q Developer Advocates for Yale CS community
- > Contributed calendar patches to Coursetable, a student-run class selection service for undergraduates

January 2021 - May 2022

Urban Philanthropic Fund

Business-facing Tech Head

- > Lead analysis, modeling, and pitching industrial stocks for \$70k portfolio, generating returns that have financed over \$5,000 in grants to local New Haven Nonprofits.

Sep 2019 - December 2021

📁 Projects

Multipath TCP

- > Implementing Multipath TCP (RFC 6824) as a final project for Networking systems in Java.

November - December 2021

Image Labeling and Inference Pipeline

- > Built image labeling, inference, and performance aggregation pipeline in python deployed on Heroku, AWS, and Yale HPC clusters for YTFC Lab

January 2021

⚙️ Skills

- > **Languages:** Python, Java, C, C++, Obj-C, Go, Bash, SQL, PHP, Nim, Scheme, javascript
- > **Frameworks/Tools:** MongoDB, Redis, AWS S3, GraphQL, Tensorflow, Pandas/Numpy, Flask, SLURM, git, mercurial, React
- > **Hobbies/Clubs:** Design for America, Silliman Activities & Administration Council, Hiking, Photography, Cooking

🏆 Recognition

- > 2021 ICONIQ Growth Stock Pitch Competition (IGSPC) winner
- > 2019 Putnam Exam top 500, the premier undergraduate mathematics competition