Anthony Jiang

📞 +1-469-367-9639
✉ anthony.jiang@yale.edu
in anthony-j-jiang
⌨ auchtopus
🌐 anthonyjiang.com

🎓 Education

Yale University
GPA: 3.83

BS Computer Science/Econ, graduating May 2023
New Haven, CT

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

💼 Work Experience

Meta
May 2022 - Current

SWE Intern, *FB iOS Messaging Client Infra*
Menlo Park, CA

> Generalizing FB iOS App infrastructure-facing interfaces to accelerate A/B Testing and eventual transition away from GQL to new SQL based message transaction systems

> This week: Participating in internal FB Hackathon to improve internal documentation

Yale CPSC 433 Computer Networking
Jan 2022 - May 2022

Undergraduate Learning Assistant (ULA)
New Haven, CT

> Sole ULA for 50-person 4th-year CS elective, writing and grading midterm and final long-answer questions, leading weekly office hours, consistent online forum support, and exam review sessions at a level expected of PhD Teaching Fellows

SESCO Enterprises
Jun 2021 - Aug 2021

Software Engineering/Quant Developer Intern
Pittsburgh, PA

> Implemented simulation framework to backtest novel graph-based auction strategies for the MISO FTR auction in python and nim, generating projected 28% excess returns.

> Designed performant 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 via internal API

Yale Tech for Conservation Lab
Jan 2020 - Present

Machine Learning Research Assistant, *PI: Professor Aaron Dollar*
New Haven, CT

> Implemented, fine-tuned ResNets in Tensorflow2 to classify the reproductive status of Herbarium samples with >95% accuracy using a custom confidence metric, abstract accepted at 2021 Biodiversity Information Standards (TDWG) conference; coauthoring upcoming 2021 paper.

> Developed and maintained variety PyTorch Mask-RCNN, SVM, and PCA classifiers, as well as data pipelines for for 110,000 image samples

🥧 Activities

Yale CS Department Student Advisory Council (DSAC)
May 2022 - Present

Board Member

> Student liaisons between Yale CS Department and the student body, managing a $10k event budget

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

Urban Philanthropic Fund
Sep 2019 - Present

Business TMT Head

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

✒ Projects

Multipath TCP
November - December 2021

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

⚙ Skills

> **Languages:** Python, Java, C/C++, Obj-C, Go, Bash, SQL - **Learning:** JS and D3
> **Frameworks/Tools:** Tensorflow, Pandas/Numpy, Flask, git, MongoDB, Redis, AWS, GraphQL
> **ML Techniques:** CNNs, RNNs, LSTMs, Encoder-Decoder, BERT, PCA, K-means
> **Hobbies:** Analog photography, Thrift Shopping, Hiking, Traveling

🏆 Recognition

> 2021 ICONIQ Growth Stock Pitch Competition (IGSPC) winner
> top 500 out of over 4,000 participants on the 2019 Putnam Exam, the premier undergraduate mathematics competition
> $20,000 2019 O'Donnell Foundation Young Masters AP Arts scholarship winner