

# Anthony Jiang

+1-469-367-9639  
anthony.jiang@yale.edu

in [anthony-j-jiang](#)  
o [auchtopus](#)  
e [anthonyjiang.com](#)

## Education

### Yale University

BS Computer Science/Econ, graduating May 2023

- > Coursework: Intensive algorithms, Quantitative Investing (Yale SOM), Systems Programming, Networking systems, Vector Analysis, Data Structures, Discrete Math, Probability Theory

GPA: 3.83  
New Haven, CT

## Work Experience

### Meta

#### Incoming SWE Intern

May 2022 - Aug 2022  
Menlo Park, CA

### SESCO Enterprises

#### Software Engineering/Quant Developer Intern

Jun 2021 - Aug 2021  
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

### OpsRamp

#### AI Engineering Intern

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

- > Implemented, fine-tuned, and profiled multiple NLP methods for text-classification including traditional sequential classification techniques as well as Encoder/Decoder models.
- > Independently designed and implemented flexible, end-to-end NLP grid-search, analysis, and visualization API in python and bash, reducing parameter tuning time by over 80% for a new architecture.

### Yale Tech for Conservation Lab

#### Machine Learning Research Assistant, PI: Professor Aaron Dollar

Jan 2020 - Present  
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 TDWG conference; coauthoring upcoming 2021 paper.
- > Developed and maintained variety PyTorch Mask-RCNN, SVM, and PCA classifiers, accepted at the 2021 Yale ML in Botany conference
- > Deployed data visualization dashboard in streamlit and heroku, using AWS S3 backend

## Activities

### 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.

### Yale Computer Science Society

Sep 2020 - Present

#### Events team member

- > Organized and advertised a quantum computing seminar for Yale CS community, with dozens of Yale affiliates in attendance

## Projects

### Multipath TCP

November 2021 - Present

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

### Spotify Playlist Recommender

November 2020

- > Using Spotify API and the lowest variance components of PCA to classify playlists and recommend songs fitting the theme of the playlist.

## Skills

- > **Languages:** Python, Java, C/C++, Nim, Bash, SQL, gRPC
- > **Frameworks/Tools:** Tensorflow, Pandas/Numpy, Flask, git, MongoDB, Redis, Heroku, AWS, Docker
- > **ML Techniques:** CNNs, RNNs, LSTMs, Encoder-Decoder, BERT, PCA, K-means

## 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