

# THOMAS WENTAO JIANG

## Masters in Computer Science

✉ twjiang@cs.stanford.edu    ☎ (650) 518-8610    📍 200 Amsterdam Ave Unit 23A, New York 10023  
in <https://www.linkedin.com/in/thomas-wentao-jiang>

## EDUCATION

### Stanford University

#### Masters in Computer Science - AI

📅 09/2021 - 06/2022    📍 Stanford, California

- MS GPA: 3.96 / 4.00 (Straight A)
- Notable Coursework:
  - Computer Vision, Machine Learning with Graphs, Reinforcement Learning
  - Parallel Computing, Distributed Systems, Cryptography

#### Bachelor of Science in Computer Science AI with Economics Minor

📅 09/2017 - 06/2021    📍 Stanford, California

- GPA 3.89 / 4.00
- Notable Coursework:
  - Natural Language Processing, Deep Learning
  - Data Systems and Management, Systems, Design and Analysis of Algorithms, Networking

### Oxford University

#### Tutorial in Computational Game Theory

📅 08/2019 - 12/2019    📍 Oxford, London

- GPA: 4.13 / 4.00

## RELEVANT EXPERIENCE

### Meta

#### Software Engineer - XR Core Platform

📅 09/2022 - 11/2022    📍 New York City, New York

- Added and tested several high impact features to Project Cambria (new Meta Quest Pro).
- Implemented logging utils via Telemetry events to Performance Manager.

### Facebook

#### Software Engineer Intern - AI

📅 06/2021 - 09/2021    📍 New York City, New York

- Developed Facebook's first ever review sentiment model for R&R from e2e (from crawling training dataset to testing and evaluating model). Achieved >99% accuracy at >90% threshold and >98% precision/recall.
- Engineered and productionized keyword surfacing mechanism for R&R on a per product basis (think amazon reviews) using NLP extraction techniques.
- Productionized 2 fb-wide impact UDFs for NLP preprocessing. Broadcasted to 1100+ NLP engineers through my intern manager. Still in production as of 11/2022.

### Facebook

#### Software Engineer Intern - Full Stack

📅 06/2020 - 09/2020    📍 Menlo Park, California

- Developed and tested 4 major features for instream live ads - two features seeing over 27% decrease in PAAD15, 23% increase in video ad completion rate and 11% increase revenue with 1% advertiser value drop.
- Demonstrated initiative and developed 5 extra features which improved user sentiment and ad delivery, overall increasing revenue by 9% and decreasing PAAD15 by 14%.
- Assisted with code migration to improve logic flows in our ad break system.

### Huawei Technology

#### Backend Software Engineer Intern

📅 06/2019 - 08/2019    📍 Beijing, China

- Developed a server monitor system to keep track of data transmission between clients and servers using external dependencies.
- Incorporated backend logic to android app to communicate with the server monitor. Optimized information flow to improve processing efficiency by 5.6%.

## NOTABLE PROJECTS

### Project Lambda

#### Trading Bot

📅 06/2022 - current

- Developed own alpha seeking trading algorithm using Quantconnect API and LEAN CLI.
- Simulated over 5 different models and backtested on historical US Equity data.
- Achieved over 3.0 sharpe ratio for yearly backtests.

### EverFuel

#### Partnership with Mercedes, Daimler

📅 01/2021 - 01/2022

- Utilized Daimler SDK to transform the Mercedes user experience impacting over 300,000 fleet vehicles in the United States and potentially millions more worldwide.

### AI Projects

#### Image Captioning

📅 01/2022 - 06/2022

- SOTA performance using adapted ResNet18 transformer architecture.
- BLEU, accuracy, precision and recall metrics.

#### Toxic Comment Classification

📅 03/2022 - 06/2022

#### NLP Stanford Question Answering Dataset

📅 01/2021 - 03/2021

### Other

#### RAFT Under Uncertainty

📅 03/2022 - 06/2022

- Simulated lossy connections under uncertainty using shard fragmentation.
- More than halved round trip time at 0.5 chance network partitions and 0.5 chance packet loss.

## SELECTED LEADERSHIP / ACTIVITIES



#### Stanford Game Theory Club

Co-Founder, ex-President and ex-Financial Officer of Stanford's first ever Game Theory Club

## SELECTED SKILLS

Python

Java

C++/C

PHP

JavaScript

HTML

CSS

React Native

Unix

AWS

Machine Learning

Deep Learning

Algorithms

Data Infrastructures

Open-source

Independent

Leadership

Ownership

Responsible

Teamwork

Critical-Thinking

Creative

Resilient