

THOMAS WENTAO JIANG

Masters in Computer Science

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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 Econ 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

Software Engineer - XR Core Platform

Meta

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.

Software Engineer Intern - AI

Facebook

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.

Software Engineer Intern - Full Stack

Facebook

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.

Backend Software Engineer Intern

Huawei Technology

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.

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 with calibrated ResNet18 transformer architecture using 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