

Coursework

10-417 Deep Learning
10-403 Deep Reinforcement Learning
11-775 Large Scale Multimedia Analysis
10-601 Machine Learning (Masters)
11-411 Natural Language Processing (TA)
15-440 Distributed Systems
15-418 Parallel Computer Architecture and Programming
18-349 Embedded Systems
18-213 Computer Systems

Skills

PROGRAMMING LANGUAGES

Python
C / C++
Ruby on Rails
PHP / Hack
Go
Javascript
Lua

WEB DEVELOPMENT

Node.js
React
Redux
Typescript
GraphQL

MACHINE LEARNING

Tensorflow
Keras

DATABASES

SQL
Elasticsearch
MongoDB

CLOUD COMPUTING

Azure
Google Cloud
AWS

OTHER

CUDA
OpenMP

JERRY YU

Education

Carnegie Mellon University

BS Electrical and Computer Engineering Aug 2016 - May 2020

GPA: 3.85 Dean's List, College of Engineering

11-411/611 Natural Language Processing Teaching Assistant

Employment

Instagram

Software Engineer

- Building Integrity ML systems

New York, NY

Aug. 2020 - Current

Facebook

Software Engineering Intern - Product Growth Platform Ranking

Menlo Park, CA

May 2019 - Aug. 2019

- Built a performance tracking system for notification ranking ML, enabling team to run A/B tests on costs, rate limiting, monitoring
- Worked on Quick Promotion ML and DQN scheduling frequency training data pipelines
- Implemented MTML models for team's ML training infrastructure

Angellist Talent

Product Engineering Intern - Company Engagement

New York City, NY

Jan. 2019 - May 2019

- Rebuilt company profiles using new web infra: next.js, GraphQL, React, Typescript.
- Launched a weekly activity email to send to all companies on the platform with Ruby on Rails
- Built SQL dashboards and provided data pulls to design, sales, and ops teams

Facebook

Software Engineering Intern - Graph API

Menlo Park, CA

May 2018 - Aug. 2018

- Built a system to take snapshots of the Graph API in Hack/PHP and help team track API endpoints
- Generated changelogs with snapshots for documentation and created an editing tool in React
- Developed an API breaking change detector continuous integration tool

InvenTower

Co-Founder

Pittsburgh, PA

Oct. 2017 - May 2018

- Built a voice and text physical search engine that locates items using LED lighting
- Deployed in 3 locations (2 makerspaces and 1 lab) with over 3000 searches
- Second Place at CMU McGinnis Venture Competition, Rough Draft Ventures award

GoFind.AI

Deep Learning / Software Engineering Intern - Backend

Berkeley, CA

May 2017 - Oct. 2017

- Built ML visual search and recommendation of fashion products with Tensorflow and OpenCV
- Scaled infra with Elasticsearch, AWS serverless, and caching
- Created Facebook Messenger, WeChat, and Twitter NLP chatbots

Select Projects

Food Video Localization

Mar. 2020 - May 2020

- Multimodal ML pipeline that identifies locations and foods featured in food videos
- Includes scene detection networks, OCR, ASR, NER with LSTM and CNNs

Cookiebot

Jan. 2020 - May 2020

- Home robot powered by gesture recognition, tracking, and mapping
- Functions include driving to a pointed location in the room, driving to the user, driving to home, teleop

Caltra

May 2019 - Current

- Project management website helping over 3,500 people work on their personal goals

TL;DW (Too Long Didn't Watch), HackMIT GIPHY API award

Sept. 2018

- Summarizes videos into relevant gifs
- Transcribes video, extracts key words with nltk NLP to query for gifs