

Jeffrey Yun

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EDUCATION

University of California, Los Angeles (UCLA)

B.S. Computer Science
Expected Jun. 2019
GPA: 3.85/4.00

COURSEWORK

Data Structures
Algorithms & Complexity
Computer Organization
Discrete Math
Operating Systems
Computer Architecture
Computer Networks
Database Systems
Programming Languages
Compiler Construction
Software Engineering
Artificial Intelligence
Machine Learning
Deep Learning

AWARDS

2019 Bloomberg Global CodeCon: Finalist (UCLA 2nd of 55)

2018 ICPC SoCal Regionals: 4th Place Team (out of 86)

Rose Hills Foundation Scholar

2018 UCLA CTF: 3rd Place Team

2018 Bloomberg Global CodeCon: Finalist (UCLA 4th of 78)

2017 ICPC SoCal Regionals: Top 25% Team

Upsilon Pi Epsilon: CS Honor Society Member & Web Chair

Tau Beta Pi: Engineering Honor Society Member & Webmaster

CARE Fellow Summer 2017

SKILLS

Programming Languages

Python	C++
Java	C
Scala	Lisp

Web Development

HTML/CSS	JavaScript
React	Node.js
MongoDB	Django
Hibernate	Spark

Other

Linux	TensorFlow
Bash	SQL

EXPERIENCE

Software Engineering Intern

Google | Dynamic Search Ads Jan. 2019 to Present

- Design and develop ML model to classify quality of dynamically generated ads for given user queries (C++, TensorFlow)
- Write programs, scripts, and config files to generate and preprocess data

Software Engineering Intern

Uber | Places Jun. 2018 to Sep. 2018

- Migrated map editing workflow orchestration API from Node.js to Java
- Developed, trained, and productionized CNN for classifying address-related customer support tickets, improving recall by 29% (TensorFlow, PySpark)
- Developed scripts to write data to and read data from tfrecord files (Python)

ACM ICPC Officer

UCLA ACM Apr. 2018 to Present

- Prepare algorithm tutorials and practice contests for weekly meetings
- Add contest creation options and judging functions to competition platform for annual CodeSprint event with 45+ participants (PHP, Ruby, C++)

Backend Developer

UCLA DevX Apr. 2018 to Present

- Build backend for BruinBite, a mobile platform which matches and schedules students with dining partners at dining halls, servicing up to 50,000 students
- Developed persistent messaging system with push notifications (Django)

Undergraduate Deep Learning Researcher

UCLA Bio- and Nano-Photonics Laboratory Jun. 2017 to Jan. 2018

- Developed generative adversarial network (GAN) to generate high-resolution neuron and breast tissue imagery for medical diagnosis (TensorFlow)
- Implemented and analyzed efficacy of multiple convolutional neural network (CNN) architectures, including the U-net and transformer modules

PROJECTS

InsDance | *Python, Node.js, React* Apr. 2018

- Developed app to analyze user dance moves and suggest a dance style
- Explored Siamese Neural Network to compare differences between human positioning in video frames obtained with OpenPose (TensorFlow)
- Won "Best Educational Hack", "1517's Choice" at Citrus Hacks 2018

SwapperHeroes | *Python, React* Mar. 2018

- Trained Cycle-GAN to swap an user's body with their favorite superheroes' through a webcam frame by frame (TensorFlow)
- Built chatbot for Spiderman with Microsoft LUIS, Azure Bot, and eBay API
- Won "Best Hack for eBay APIs" at HackTech 2018

SpeechScore | *GCP, Node.js, Firebase* Jan. 2018 to Feb. 2018

- Led team of four through development of web application to analyze user speech and provide automated feedback on volume and pace
- Implemented audio analysis with Google Cloud Platform APIs, result storage with Firebase, and backend with Node.js

IdeaCafe | *MongoDB, Node.js* Aug. 2017 to Sep. 2017

- Created a web application allowing users to submit and comment on favorite different TED talks, with automatic extraction of talk information from URLs

Insightful Mind | *Python, Microsoft Azure* Mar. 2017

- Led team of five in design of mobile application utilizing natural language processing (NLP) and data analysis to track influences on emotional states
- Won 3rd place out of 14 teams at UCLA Inventathon 2017