Steven Z. Chen

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Interests

Machine Learning and Computer Vision
Deep Learning
Autonomous Vehicles
System Performance

Education

Stanford University 2017 - 2019
MS, Computer Science. Focus: Artificial Intelligence. ***(GPA: 4.0)***

University of Texas at Austin 2014 - 2017
BS, Computer Science, Honors. ***(GPA: 4.0)***
Minor, Business. Thesis: Prominent Differences in Relative Attributes

Work Experience

NVIDIA – Autonomous Vehicle Software Engineering Intern – Santa Clara 2018
Improved performance of NVIDIA's autonomous vehicle software at the neural network and system software level. Built fast, accurate neural network architectures for live perception, and optimized system software for ultra-low-latency driving on production hardware.

***Riot Games* – Data Science Intern – Los Angeles** 2017
Worked on distributed ML recommendation algorithms using Python, SQL, and Spark. Built an efficient client-side recommendation system for League of Legends in C++ and Node.js.

***Google* – Software Engineering Intern – Mountain View** 2016
Worked on Google Photos MapReduce infrastructure. Built a storage API for MapReduce pipelines in Java, Python, and Google Cloud Dataflow.

***RetailMeNot* – Software Engineering Intern – Austin** 2015
Built a backend service ranking coupons displayed on RetailMeNot using Python and MongoDB.

Research and Teaching Experience

***Stanford University* – Graduate Teaching Assistant** 2017 – 2018
Fall 2018: TA for CS230 Deep Learning, taught by Andrew Ng and Kian Katanforoosh.
Spring 2018: TA for CS102 Big Data, taught by Dean Jennifer Widom.
Fall 2017: TA for CS161 Algorithms, taught by Mary Wootters and Leonidas Guibas.

***UT Computer Vision Group* – Research Assistant** 2015 - 2017
Worked with Professor Kristen Grauman on attribute comparison research; published in CVPR 2018.

Published Work

Compare and Contrast: Learning Prominent Visual Differences. S. Chen and K. Grauman. In IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2018.

Languages and Frameworks

Python, C++, Tensorflow, Keras, Java, SQL, MATLAB — experienced
C, Bash, R, PyTorch, JavaScript — familiar

Selected Coursework

Machine Learning, Deep Learning, AI
Data Mining
Computer Vision (Recognition, CNN, 3D)
Visual Computing Systems

Honors

UT Dean's Honored Graduate
Highest UT honor, awarded to fewer than one percent of undergraduates.

Turing Scholar, Dean's Scholar
UT Science Presidential Scholarship