Steven Z. Chen

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Education

Stanford University
2017 - 2019
MS, Computer Science. Focus: Artificial Intelligence.   *GPA: 4.0*
Advisor: Kayvon Fatahalian

University of Texas at Austin
2014 - 2017
BS, Computer Science, Honors.   *GPA: 4.0*
Advisor: Kristen Grauman.   Thesis: Prominent Differences in Relative Attributes

Work Experience

Aurora Innovation – Software Engineer, Machine Learning R&D – Palo Alto
2019
Working on machine learning and perception for autonomous vehicles, starting in summer 2019.

NVIDIA – Autonomous Vehicle Software Engineering Intern – Santa Clara
2018
Worked on the performance of NVIDIA's autonomous vehicle stack at the neural network and systems levels. Designed neural network architectures for efficient perception, and optimized system software for 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 Research Assistant
2018 – 2019
Working with Professor Kayvon Fatahalian on high-performance computer vision algorithms for Efficient, real-time video understanding.

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

UT Computer Vision Group – Research Assistant
2015 - 2017
Worked with Professor Kristen Grauman on computer vision research into visual attribute comparisons. Our research was 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

Honors

UT Dean's Honored Graduate
Highest UT Austin honors, awarded to fewer than one percent of undergraduate students.

Turing Scholars Computer Science Honors
Dean's Scholars Science Honors
UT Science Presidential Scholarship