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 high-performance algorithms for autonomous vehicles. Designed fast and efficient convolutional neural networks, and optimized multithreaded systems for production hardware.

***Riot Games* – Data Science Intern – Los Angeles** 2017
Worked on League of Legends store recommenders and other machine learning models using Spark, Python, and Hive. Built a client-side recommendation system in C++ and Node.js.

***Google* – Software Engineering Intern – Mountain View** 2016
Built a new storage API for Google Photos MapReduce pipelines with Java, Python, and Cloud Dataflow. Wrote a code generation framework to automatically generate APIs with template engines.

***RetailMeNot* – Software Engineering Intern – Austin** 2015
Built a web backend service that generates coupon recommendations for RetailMeNot iOS and Android apps in Python, SQL, and MongoDB. Optimized recommender algorithms for different storefronts.

Research and Teaching Experience

***Stanford University* – Graduate Research Assistant** 2018 – 2019
Working with Professor Kayvon Fatahalian on efficient computer vision algorithms for video inference.

***Stanford University* – Graduate Teaching Assistant** 2017 – 2018
Fall 2018, Spring 2019: CS230 Deep Learning – Andrew Ng and Kian Katanforoosh.
Spring 2018, Winter 2018: CS102 Big Data – Dean Jennifer Widom.
Fall 2017, Winter 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, CUDA, OpenMP, PyTorch, Bash, R — familiar

Honors

UT Dean's Honored Graduate
Highest UT Austin honor. Awarded to fewer than one percent of undergraduate students.

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