

Steven Z. Chen

stevenc3@gmail.com ♦ (512) 550-1067 ♦ linkedin.com/in/stevencchen

Education

- Stanford University** 2017 - 2019
MS, Computer Science (Specialization: AI). **GPA: 4.0**
Advisor: Kayvon Fatahalian
- University of Texas at Austin** 2014 - 2017
BS, Computer Science, Turing Scholars Honors. **GPA: 4.0**
Advisor: Kristen Grauman. Thesis: Prominent Differences in Relative Attributes

Work Experience

- Aurora Innovation – Software Engineer, Perception – Palo Alto** 2019 -
Working on perception and machine learning for autonomous vehicles.
- NVIDIA – Autonomous Vehicle Software Intern – Santa Clara** 2018
Worked on high-performance algorithms for autonomous vehicles. Designed fast and efficient convolutional neural networks and optimized multithreaded systems for real-time execution.
- Riot Games – Data Science Intern – Los Angeles** 2017
Worked on in-game store recommenders for League of Legends using Spark, Python, and Hive. Built a fast 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 in Java, Python, and Cloud Dataflow. Wrote a code generation framework to automatically generate new APIs.
- RetailMeNot – Software Engineering Intern – Austin** 2015
Built a backend service that generates recommendations for RetailMeNot storefronts in Python, SQL, and MongoDB. Optimized recommender algorithms for different storefronts.

Research and Teaching Experience

- Stanford University – Graduate Research Assistant** 2018 - 2019
Worked with Professor Kayvon Fatahalian on efficient computer vision systems for video inference. Our research was published in ICCV 2019.
- Stanford University – Graduate Teaching Assistant** 2017 - 2019
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.

Publications

- Online Model Distillation for Efficient Video Inference.**
Ravi Mullapudi, **Steven Chen**, Keyi Zhang, Deva Ramanan, Kayvon Fatahalian.
In IEEE International Conference on Computer Vision (**ICCV**), 2019.
- Compare and Contrast: Learning Prominent Visual Differences.**
Steven Chen and Kristen Grauman.
In IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2018.

Languages and Frameworks

- C++, Python, Tensorflow, Keras, Java, SQL, MATLAB** — experienced
C, CUDA, OpenMP, PyTorch, Bash, R — familiar