Steven Z. Chen

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Interests

Data Science and Machine Learning
Computer Vision
Deep Learning
Autonomous Vehicles

Education

Stanford University 2017 - 2019
MS, Computer Science (Specialization: Artificial Intelligence)

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

Work Experience

***Riot Games* – Data Science Intern – Los Angeles** 2017
Worked on distributed machine learning recommendation algorithms using Python, SQL, Spark, and Hive. 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 backend infrastructure. Built a new storage API for MapReduce pipelines in Java, Python, and Google Cloud Dataflow.

***RetailMeNot* – Software Engineering Intern – Austin** 2015
Built a critical backend service that ranks coupon content displayed for store pages using Python and MongoDB. Optimized sorting algorithms to increase user engagement.

Research and Teaching Experience

***Stanford University* – Graduate Teaching Assistant** 2017 – 2018
TA for CS161 Design and Analysis of Algorithms, the upper-level algorithms course at Stanford.

***UT Computer Vision Group* – Research Assistant** 2015 - 2017
Worked with Professor Kristen Grauman on computer vision and machine learning research focusing on visual comparisons. Wrote and defended an undergraduate honors capstone thesis.

Languages and Frameworks

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

Programming Projects

Price Predictor with Product Images Keras, TensorFlow, Python
Built deep convolutional neural networks for predicting price of a product using just a single image. Visualized the image regions and features that led to higher or lower price predictions.

Lemonade Programming Language C++
Designed and built a functional programming language with libraries, nesting data structures, and shell.

Selected Coursework

Machine Learning
Deep Learning
Computer Vision
Artificial Intelligence
Data Mining
Undergraduate Honors Thesis

Honors

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

Stanford Teaching Assistantship
Turing Scholars, Dean's Scholars Honors
UT Science Presidential Scholarship