Steven Z. Chen

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Interests

Data Science and Machine Learning   Backend Services
Computer Vision   Cluster Computing

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 a highly 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 backend service that ranks coupon content displayed for store pages using Python and MongoDB. Optimized sorting algorithms to increase user engagement.

Research Experience

UT Vision Group - Undergraduate Researcher   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 Technologies

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

Programming Projects

Face Detection   MATLAB, Python
• Multi-scale face detector using an SVM trained on histogram of gradients data
• Implemented hard negative mining to reduce false positives

Lemonade Programming Language   C++
• Collaborated in building a functional programming language and interpreter
• Features include libraries and imports, data structures, and interactive shell

Selected Coursework

Machine Learning / Computer Vision   Programming Languages / Compilers
Artificial Intelligence / Data Mining   Data Structures / Algorithms

Honors

Stanford Graduate Teaching Assistantship   UT Science Presidential Scholarship
UT Turing, Dean's Scholars Honors   UT Undergraduate Research Fellowship