

Steven Ziqiu Chen

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Interests

Data Science / Machine Learning
Computer Vision / AR / VR

Backend Dev / Distributed Computing
Artificial Intelligence

Education

University of Texas at Austin

Expected: May 2017

B.S., Computer Science, Honors (**GPA: 4.0**)
Minor, Business

M.S., Computer Science (anticipated)

Expected: May 2019

Work Experience

Google – Software Engineering Intern – Mountain View

Summer 2016

Worked in Google Photos on backend MapReduce infrastructure. Built a new storage API for MapReduce jobs using Java and Cloud Dataflow. Wrote a Python code generation framework to generate API classes from templates.

RetailMeNot Inc. – Software Engineering Intern – Austin

Summer 2015

Built backend service that decides what content is displayed on RMN mobile apps, using Python and MongoDB. Designed sorting algorithms to optimize user engagement.

Research Experience

UT Computer Vision Group - Undergraduate Researcher

2015 - Present

Working with Professor Kristen Grauman on computer vision and machine learning research on relative attribute dominance, with applications in image search, description generation, and referring expressions.

Languages and Technologies

Java, Python, Linux, MATLAB

— experienced

C++, C, Swift, Databases

— familiar

Programming Projects

Face Detection

MATLAB, Python

- Multi-scale face detector using a linear SVM trained on histogram of gradients data
- Implemented hard negative mining to reduce false positives
- Detector slightly outperforms standard Viola-Jones detector in precision

Avalon Announcer

iOS, Swift

- Narration and utility app for iOS for the board game Avalon
- Narrates custom game setups using Siri, and tracks game statistics

Selected Coursework

Machine Learning Honors
Computer Vision Honors
Programming Languages Honors

Data Structures Honors
Algorithms Honors
Data Mining Honors

Honors and Activities

Turing Scholars Honors Program
UT Sciences Presidential Scholarship

UT Undergraduate Research Fellowship
Machine Learning and Data Science Org