

# Steven Ziqiu Chen

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## Interests

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Backend Development / Algorithms  
Machine Learning / Computer Vision

Distributed Systems / IoT  
Mobile App Development

## Education

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### **University of Texas at Austin**

Expected: May 2018

B.S., Computer Science: Honors (*Turing Scholars, Dean's Scholars*)

**GPA: 4.0/4.0**

## Work Experience

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### **RetailMeNot Inc. - Software Engineering Intern**

Summer 2015

Built backend service that determines what core content is displayed to users on RetailMeNot iOS and Android apps, using Python, MongoDB, RabbitMQ, and MySQL. Redesigned sorting and filtering algorithms to improve user experience. Service processes all listings for all stores on mobile.

### **UT Austin – Undergraduate Researcher**

2015 - Current

Currently working with Dr. Kristen Grauman on Computer Vision research in relative attributes, zero-shot learning, and image retrieval. Previously worked on Android malware detection using test automation and machine learning, as well as a low-level security analysis of Docker containers.

## Languages and Technologies

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**Java, C, Linux, MATLAB, Git**

advanced knowledge

**Python, C++, SQL, Mongo, HTML/CSS/JS**

working knowledge

**Swift, Android, bash scripting, Perl**

basic knowledge

## Programming Projects

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### **PylmageLab** Python, MATLAB

- Versatile image processing app built for computer vision research and photo editing
- Personal implementations of powerful algorithms including seam carving and stitching
- Abstracts complex MATLAB algorithms behind an open and accessible Python API

### **Timeliner** Java 8, JavaFX

- Java app that generates timelines in interactive, image, or ASCII formats
- Supports dynamic timeline resizing and team collaboration / sharing through save files

## Selected Coursework

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Data Structures Honors  
Algorithms Honors  
Machine Learning Honors

Operating Systems Honors  
Computer Vision Honors  
Compilers

## Activities and Honors

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Mobile Application Developers  
Electronic Game Developers Society  
Turing Scholars and Dean's Scholars

UT Natural Sciences Scholarship  
UT Computer Science Scholarship  
National Merit Scholar