

# Xianda Zhou

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## EDUCATION

**University of Texas at Austin** (Current)

Expected 2020

M.S. in Computer Science

**Tsinghua University, Beijing** (Grade Point Average 88.8/100, Rank 24%)

Graduated Jul. 2018

B.Eng. in Computer Science and Technology

### • Related Courses

Object-Oriented Programming in C++ (95)

Programming Training Sections in Qt, Network and Python (94)

Software Engineering (93)

Programming Training in Java (94)

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## SKILLS AND HONORS

**Programming Languages:** C++, C, Java, Python, JavaScript, Matlab

**Technologies:** Object-Oriented Programming, Web Development/Node.js/Flask/Java Web, SQLite  
Machine Learning/NLP/Tensorflow/PyTorch, Android/Mobile Application

**Languages:** Fluent and proficient in English (GRE V159 Q170)

**Honors:** Scholarship for Outstanding Academic Performance, Tsinghua University (Twice)

17<sup>th</sup> Place in National Matriculation Examination (Gaokao), Jiangxi Province, China (Jun. 2013)

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## EXPERIENCE

### ***Selected Course Projects at Tsinghua***

***Beijing***

Online DLC Experiment System (*Software Engineering, Supervised by Prof. Xiaoying Bai*)

Nov. 2016 – Jan. 2017

- Designed/implemented a front-end circuit drawing framework; became proficient at full-stack web development in Node.js
- Drew an intricate CPU schematic on the framework, making it a creative crossover with Computer Organization course
- Won Students' Choice Award (5/30 teams); project selected as an exemplar for juniors (<https://youtu.be/Vo7Kc4WtG8o>)

World News Android App (*Programming Training in Java, Supervised by Prof. Bin Xu*)

Aug. 2016

- Designed/implemented an app fetching newsfeed from an API, utilizing Android Studio, ADB, and 3rd party UI libraries
- Used built-in Android utilities to handle SQLite database and asynchronized events
- Single-handedly implemented every possible functionality and extensions; Ranked Top 10% in overall grade in the class

Temporal Floorplanning Using the T-tree Formulation (*OOP in C++, Supervised by Prof. Hailong Yao*)

May – Jun. 2016

- Implemented a C++ visualization of the titular paper with OpenGL; Encapsulated 3D objects and algorithms in classes
- Ranked Top 10% in overall grade in the class (<https://github.com/claude-zhou/Ttree-box/>)

### ***Tsinghua State Key Lab. of Intelligent Technology and Systems***

***Beijing***

Early Detection of False Rumors in Social Media (*Advised by Prof. Zhiyuan Liu*)

Sep. 2016 – Feb. 2017

- Crawled/parsed posts from Weibo (Chinese version of Twitter) by python web modules; visualized them using D3.js
- Contributed to the website 'Chinese Web Rumor Database' (<http://rumor.thunlp.org/>) using Java Web tools
- Designed a recurrent neural network in TensorFlow, and trained the network to classify rumors

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## PUBLICATION

### **Mojitalk: Generating emotional responses at scale**

Xianda Zhou, William Yang Wang

**ACL 2018 (oral presentation)**

- The first work to use naturally labeled emojis for large-scale emotional response generation.
- Designed/implemented several models in TensorFlow to train an emotional response generation agent

Paper: <https://arxiv.org/abs/1711.04090> Code: <https://github.com/claude-zhou/MojiTalk>