**Fanchao Zhou**

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**EDUCATION**

**Texas A&M University,** College Station, Texas Sept. 2014-Dec. 2016

M.Eng. in Computer Engineering, **Overall GPA: 3.85/4.00**

**Huazhong University of Science and Technology,** Wuhan, China Sept. 2010-Jun. 2014

B.A. in Telecommunications, **Overall GPA: 3.76/4.00 (Top 2.5 Percent in My Major)**

**Relevant Courses:**

C/C++ Programming, Algorithms and Data Structures, Java Programming and Android Development, Software Engineering, Computer Networks, Artificial Intelligence, Convex Optimization

**SKILLS**

**Programming Languages:** Java, C, C++, SQL, HTML, CSS, Javascript, Ruby, Matlab

**Tools and Skills:** Android Development, SQLite, MySQL, Tomcat, Rails, Git, Heroku, OpenCV

**PROJECTS**

**Taulbee Survey Storage and Retrieval System** Oct. 2016-Nov. 2016

* Added a file format check

**Individual Project: Android App for Face Recognition**  Apr.2016

* Designed a single-activity, multi-fragment UI framework. Developed the basic functions such as photo storage management and SQLite manipulation.
* Utilized OpenCV for face detection and recognition on Android platform.
* Deployed a Tomcat Server to receive and store photos and their recognition results. Manipulated MySQL on the server by JDBC to store photos and their recognition results for future display.

**Individual Project: Moview** Mar. 2016

* Used the movieDB API to pull detailed information about recent movies from the Internet. Defined a customized adapter to populate the grid UI in the main activity with movie posters and names.
* Used Intents to pass detailed information from the main activity to a detail activity. Designed the detail page to display all the detailed information such as movie synopsis, popularity and ratings.

**Group Project: Android App for Signal Detection and Local and Distant Data Storage**  Feb. 2016

* Devised a multi-fragment UI framework for the app. Designed all the functions for UI component controlling. Configured the menu so the user could navigate through different pages.
* Cooperated with 2 other teammates, integrated their code for serial port communication and Wi-Fi transmission into my framework, and debugged the code.

**Group Chatting Room and Tiny TFTP Server** Sept. 2015 – Nov. 2015

* Used the socket API in C language to implement a TCP-based group chatting room. Defined a new, simple packet format for data exchange, and programmed the wrapping and unwrapping functions for it.
* Developed all the server-side functions, and debugged it collaboratively with my teammate’s client code to finally find 3 inconspicuous bugs.
* Used the socket API to implement a stop-and-wait protocol for a read-only TFTP server.