Chenxiao Niu

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QUALIFICATIONS

- **Machine Learning**: Major in Machine Learning and skillful at modelling the algorithm as well as optimization.
- **Software and Web Development**: Proficient in Software and Web Development, take part in practical projects.
- **Code Management**: Good at Code Management and contribute to the University Greeting Website.
- **Problem Solving**: Good at raising problems and solving problems in projects.

EDUCATION

McMaster University — Hamilton, Canada
Master of Science in Electrical & Computer Engineering; Current GPA: 4.00 — *Sep. 2017 – Present*

Beijing University of Posts and Telecommunications — Beijing, China
Bachelor of Electronic Information Engineering; Overall GPA: 3.66 (9.15/10.0) — *Sep. 2013 – Jun. 2017*

WORK EXPERIENCE

BMW China — Beijing, China
IT Intern of Connected Drive — *Aug 2016 - Jan 2017*

- **Greeting Robot**: Designed and Built a greeting robot used in the yearly BMW IT Roadshow, which has functionalities of NLP, Figure Detection as well as recommending car models to the guests.
- **Scrum**: Imported Scrum workflow to the team, adjusted the conventional standard and formulated a customized regulation.
- **Video Editing**: Edited a video for the team to compete the global IT Fair of BMW Group, and won the first place with a 50,000$ award.

PROJECTS

University Greeting Website — Github, HTML
Git, HTML, CSS, JS — *Sep 2017 - Present*

- **Github Management**: Manage the website's branch every two days using git.
- **Website Update**: Modify and Update the contents of the Website by using rst and html.
- **Issues Management**: Publish issues of the website, assign and deal with the issues.

Android Development — Android
Java Development — *Sep 2017 - Oct 2017*

- **NTD**: NTD
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Facial Expression Recognition System — MATLAB
Machine Learning — *Feb 2017 - Jun 2017*

- **Gabor-Wavelet**: Detected and Captured the faces by using Gabor-Wavelet algorithm.
- **Data Preprocessing**: Generalized and Normalized the JAFFE Database, extracted the features from the images using LBP, PCA and DCT algorithms.
- **Neural Network**: Constructed and trained a neural network in MATLAB, gained a 90% accuracy of the test set.

Web Spider — Python
Big Data, Data Analysis — *Mar 2016 - Apr 2016*

- **Scrapy**: Set up and maintained a web spider by using Scrapy, which aims at ZhiHu (the biggest question-and-answer website in China) to find out the relationship between users and to study the social network.
- **Social Network**: Acquired and analyzed thousand-level user data using Pajek, and figured out who are the most subscribed people and the links between them.

SKILLS & COURSES

- **Skills**: Java, Python, C++, Linux, Git, TensorFlow, MongoDB, MATLAB, HTML, CSS and JavaScript

- **Courses**: Machine Learning by Andrew Ng on Coursera; Programming Mobile Applications for Android Handheld Systems by U of Maryland on Coursera