# Xiang Cheng

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## EDUCATION

**University of Electronics Science and Technology of China** **China**
*B.Eng., Electronic and Electrical Engineering* 2014-2018
**University of Glasgow** **the United Kingdom**
*B.Eng.(hons), Electronic and Electrical Engineering, Predicted First Class* 2014-2018

**UESTC GPA**: 3.93/4.00 **University of Glasgow GPA**: 19.20/22
**Ranking**：1/229
**GRE**：V143+Q169 （312+3.0）
**TOEFL**: 93 = R21+L24+S23+W25

## Major Honors & Awards

Enterprise scholarship from WAC Lighting Company (Top 0.1% of all) Oct 2017
Dean's List Scholarship (Top 5% of all) Oct 2017
National scholarship (Top 2% of all) Oct 2017
The first prize in 3D Printing Design Competition of UESTC Apr 2016
Dean's List Scholarship (Top 5% of all) Oct 2016
National scholarship (Top 2% of all) Oct 2016
National Scholarship of China for Truly Exceptional Students (2%) Oct 2015

## Experience

**University of Electronics Science and Technology of China,** Chengdu, China
*Teaching Assistant* Sept 2017-Dec 2017
- Held weekly Office Hour and grade students' work for assignments on C programming Language
- To organize tutorial groups to help some classmates with their academic study and English.

**Intelligent Data Analytics Lab, Michigan State University,** East Lansing, Michigan, US
*Research Intern* Jul 2017-Sept 2017
- Built the python pipeline for MCI prediction model using machine learning methods
- Helped the group member preprocess the data and train the GAN model
- Attended the group seminar weekly and gave a presentation about Large-scale sparse logistic regression.

**Statistical Machine Intelligence and Learning Lab, UESTC,** Chengdu, China
*Research Assistant* Mar 2016-Present
- Implement several background tasks related to data mining and machine learning using MATLAB, Oracle SQL, Python and C++

## Major Projects

**Research Intern Project: 'MCI prediction from spontaneous spoken utterance'** Jul 2017-Sept 2017
Individual Project
- Building a predictive machine learning model based on natural language processing method from spontaneous spoken utterance
- I am responsible for building the experiment pipeline individual with python
- I also gave a presentation about Large-Scale Sparse Logistic Regression

**Academic Research Project: 'Semi-supervised Ensemble Learning'** Nov 2016-Present
Team leader (3 members group)

- A new idea to improve the semi-supervised ensemble clustering performance, which requires strong team-working skills and high self-learning ability
- I am responsible for algorithm design and implementing
- The paper is preparing with the team members

**3rd year team project: 'Artificial Neural Network Based Self Driving Vehicle'** Dec 2016-Jun 2017
Team leader (10 members group)
- A self-navigating vehicle based on neural network, processing the image from a camera
- As the leader of the course project team with 10 team members, I am responsible for software system designing
- Acquired excellent planning and organizational skills

**2nd year Research project: 'Gender Prediction of the Micro-Blog User'** Jul 2016-Oct 2016
Individual Project
- Predict user's gender according to blog users' text information
- Combine the gender prediction system with micro-blog python spider
- I am responsible for data collection and model construction based on machine learning method
- Acquired strong self-learning ability

**2nd year Research project: 'Bionic hexapod robot'** Nov 2015-Oct 2016
team leader (4 tem members group)
- A wireless controlled bionic hexapod robot based on Arduino
- The hardware and software are all designed by the team members
- I am responsible for 3D modeling and control algorithm design

## Extra-curricular Activities

International volunteer for turtle protection, Indonesia Jul 2016 to Aug 2016
Member of Student Representative Council, Glasgow College, UESTC Sept 2016 to Present
Member of Student Union, Glasgow College, UESTC Sept 2014 to Sept 2015

## Skills & Interests

- Programming Language: Proficient in：C, C++，Python, MATLAB, Arduino, TeX
  Also basic ability with: Assembly, VHDL
- Industry Software Skills: SolidWorks (Advanced), MATLAB (Advanced), Cadence ORCAD(Intermediate), LTspice (Intermediate), Most MS Office products including MS project.
- Interest: swimming, hiking and reading