

PENGCHENG XIE

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Gender: Male Date of Birth: 12/Oct/1998 Place of Birth: Anhui, China
Address: Zhongguancun East Road No.28, the Chinese Academy of Sciences, Haidian, Beijing

🎓 EDUCATION

The Academy of Mathematics and Systems Science of the Chinese Academy of Sciences,
Beijing, China, (enrolled, to be) 2019–
Ph.D student in Mathematics

Xi'an Jiaotong University University, Shaanxi, China 2015–2019
B.S. in Mathematics

Xi'an Jiaotong University University, Shaanxi, China 2013–2015
Class for the Gifted Young Students

PUBLICATIONS

- 1. **PengchengXie** and Molei Tao, *Parametric Resonant Control of Macroscopic Behaviors of Multiple Oscillators*, 2019 American Control Conference IEEE-ACC (accepted).
- 2. Nianwen Si, Hengjun Wang, Wei Li, Yidong Shan and **PengchengXie**, *Chinese Part-of-speech Tagging Model Using Attention-based LSTM[J]*, Computer Science, 2018, 45(4):66-70, 82.

RESEARCH PROJECTS

- 2016 Delay Differential Equations with Applications in The Life Science, Prof. Hao Wang, Canada
- 2017 A Study for Deep Neural Network Having the Ability of Sparse Expression, Projects on the National Students' Platform for Innovation and Entrepreneur Program, project leader.
- 2017 Solving Non-negative Restrain Least Squares Problem by Using Inner and Outer Model, Prof. Jicheng Li, Xi'an Jiaotong University.
- 2018 Numerical Solution of Differential System, Prof. Dieci and Bonetto, Gatech
- 2018 Attended a project of NSF grants DMS-1521667.
- 2018 Label Distribution Learning, Academician Zongben Xu, Prof. Demeng Yu, Xi'an Jiaotong University.
- 2018 A Derivative free Optimization Algorithm Based on Powell's NEWUOA and Subspace Techniques, Prof Hui Li, Xi'an Jiaotong University.

SOCIAL ACTIVITIES

- Student Member of **Chinese Society of Optimization, Overall Planning and Economic Mathematics**
- Student Member of **Chinese Mathematical Society**
- Member of **the Scientific Institution of Xi'an Jiaotong University**

EXCHANGE EXPERIENCES AND CONFERENCES

- 2018.01-2018.05 Exchange at **Georgia Institute of Technology, United States**
- 2016.07-2016.08 Exchange at **University of Alberta, Canada**
- 2018.07 Basic Subject Top-notch Academic Conference, University of Science and Technology of China, **China**
- 2016.11 Basic Subject Top-notch Personnel Training Experience Conference, Xi'an Jiaotong University, **China**
- 2017.12 The 3rd China C9/E9 Universities Honor Education conference, Harbin Institute of Technology, **China**

ACADEMIC COMPETITION

- 2017.04 Mathematical Contest In Modeling Meritorious Winner
- 2016.07 MathorCup Mathematical Contest In Modeling 2nd prize
- 2016.09 Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM) 2nd prize

HONORS

- Ten Outstanding Student of Xi'an Jiaotong University (the highest personal honor in University) in 2018
- Chinese Academy of Sciences Hua Luogeng Scholarship in 2018
- Xi'an Jiaotong University Siyuan Scholarship in 2015/2016/2017
- Xi'an Jiaotong University Gained Outstanding Students in 2015/2016/2017
- National Science Program Scholarship in 2016/2017

⚙ SKILLS

- Programming Languages: *C, Matlab, Python, C++ , R*
- Platform: Linux, Windows, MacOS
- Languages: English - Fluent, Chinese - Native speaker
- Development: Web

📖 INTERESTS

- Sports: Badminton, Tennis, Swimming, Basketball
- Music: Clarinet

EXTRACURRICULAR ACTIVITY

- Took care of the children and teenagers with disabilities.
- Participated the volunteering work as the education tutorial for pupils.