

Ge Chen

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[My Google scholar](#)

[My Github](#)

Experience

- 2019 - now **Phd candidate:** *State Key Laboratory of Internet of Things for Smart City*, University of Macau
Research interests: Smart Energy. AI and data-driven method application in power systems.
- 2018 - 2019 **Smart Turbine R&D engineer:** *Envision*
Job Responsibilities: Data engineering, visualization and modeling to find opportunities on cost down.

Education

- 2015 – 2018 **Master** in Engineering Thermo-physics, *Xi'an Jiaotong University*,
GPA 85.73/100 (**Top10%**)
- 2011 - 2015 **Bachelor** in Thermal Energy & Power Engineering, *Huazhong University of Science and technology*,
GPA 86.05/100 (**Top10%**)

Publication

Journal paper

1. Z.G. Qu*, **G. Chen**, L. Zhou, J.Y. Miao. Numerical study on the operating characteristics of cryogenic loop heat pipes based on a one-dimensional heat leak model. *Energy Conversion and Management* 172 (2018) 485–496. (First author is my supervisor)
2. L. Zhou, Z.G. Qu*, **G. Chen**, J.Y. Huang, J.Y. Miao. One-dimensional numerical study for loop heat pipe with two-phase heat leak model. *International Journal of Thermal Sciences* 137 (2019) 467–481.

Conference paper

1. **Chen G**, Qu ZG. The performance degradation of the neon-charged cryogenic loop heat pipes with impurities. *6th Asian Symposium on Computational Heat Transfer and Fluid Flow*, Chennai, India. 2017.
2. **Chen G**, Qu ZG. Experimental investigation on the performance of cryogenic loop heat pipe with crystal impurities. *8th International Symposium on Multiphase Flow, Heat Mass Transfer and Energy Conversion*, Chengdu, China, 2016.

Awards & Honors

- 2019.8 UM Macao PhD Scholarship, *University of Macau*
- 2016.11 First Prize, Smart Home Competition (supported by Haier), *Xi'an Jiaotong University*
- 2015.6 Outstanding Graduates, *Huazhong University of Science and technology*
- 2014.6 Scholarship for excellent GPA, *Huazhong University of Science and technology*

Skills

1. Data science experiences. Familiar with Python, Numpy, Pandas, matplotlib, sklearn, XGBoost.
2. Machine learning. Familiar with the common machine learning algorithms. Experiences in Kaggle.
3. Database skills. Experiences in SQL sever. Familiar with SQL and pymysql.
4. Coding skills. Experiences in Java, git and shell.
5. Solid basis of energy, mechanical and electrical engineering, familiar with the principles of sensing devices.