



XUHAO DU (PETER)

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Profile

An enthusiastic guy interested in working with data and colleagues.

Education

University of Western Australia — Ph.D.	2015.2 - present
Nanjing University — Bachelor of Science, Physics	2010.9 - 2014.6

Data Competition Experience

- Rong360 Internet financial Competition — rank: 1st/900	2016.8 - 2016.10
Predict user's willing of second loan based on the their information key: *presentation, *xgboost, *Cross features construction and *Model ensemble	
- DiDi taxi demand prediction —rank: 19/1200+	2016.5 - 2016.6
Predict the demand and supply gap based on the time and space data key: *Feature engineering and *Sample expansion.	
- China Unicom demand prediction — rank: 8/700+	2016.3 - 2016.4
Predict user's smartphone update pattern based on their plan consumption. key: *Web spider and *GBDT	

Work Experience

- Ph.D., Centre of Acoustics, Dynamic and Vibration	2016.2 - present
Work as a Ph.D. candidature on transformer vibration and sound prediction. Using neural network, genetic and gradient boosting regression tree algorithm.	
- Audio architect, DuoYi network Technology Co., Ltd.	2014.7 - 2014.11
Work as a audio architect for internet audio instant communication software.	
- Intern engineer, Forgreener Acoustics.	2014.9 - 2014.12
Work as an acoustics engineer for environmental noise control.	
- Guangzhou No.2 middle school & Nanjing University	2007 - 10 & 2011-12
Administrator of Student Union	

Skills

- Data Mining and Machine learning algorithm, Web Spider, Spark, Cloud cluster
- Team work, Presentation and communication
- Experienced in Python, R, Matlab, C++, Javascript
- Research, Audio Acoustics, Architecture Acoustics, Finite Element Modelling
