



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	2010.9 - 2014.6

Data Competition Experience

Rong360 Internet financial Competition — rank: 1/900+	2015.8 - 2015.10
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Predict user's willing of second loan based on the their information
key: *xgboost, *Cross features construction and *Model ensemble

DiDi taxi demand prediction —rank: 19/1200+	2015.5 - 2015.6
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Predict the demand and supply gap based on the time and space data
keys: *Feature engineering and *Sample expansion.

China Unicom demand prediction — rank: 8/700+	2015.3 - 2015.4
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Predict user's smartphone update pattern based on their plan consumption.
keys: *Web spider and *GBDT

Work Experience

Ph.D., Centre of Acoustics, Dynamic and Vibration	2015.2 - present
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Work as a Ph.D. candidature on transformer vibration and sound emission prediction. Using artificial neural network and gradient boosting regression tree.

Audio architect, DuoYi network Technology Co., Ltd.	2014.7 - 2014.11
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Work as a audio architect for internet audio instant communication software.

Intern engineer, Forgreener Acoustics.	2014.9 - 2014.12
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Work as an acoustics engineer for environmental noise control.

Skills

Data Mining and Machine learning algorithm, web spider

Team work

Experienced in Python, R, Matlab, C++

Research, Architecture Acoustics, Finite Element Modelling

Selected reference

Qin, M., Du, X., Tao, J., & Qiu, X. (2016). A study on the optimal English speech level for Chinese listeners in classrooms. *Applied Acoustics*, 104, 50-56.
