Zhaozhuo Xu

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EDUCATION

Stanford University — Stanford, CA
Electrical Engineering, Master of Science — *Sep. 2017 – Jul. 2019*
- Coursework: Machine learning (A), Introduction to Linear Dynamic System (A)

University of California, Los Angeles — Los, Angeles, CA
Computer Science, Exchange Student, GPA: 4.00/4.00 — *Jul. 2016 – Sep. 2016*

Wuhan University — Wuhan, China
Electronic Information Engineering, Bachelor of Engineering, GPA: 3.84/4.00 — *Sep. 2013 – Jul. 2017*
- Ranking: **Top 1%**, Member of the Elite Engineer Program

SKILLS

- **Languages**: Python, Scala, C++, MATLAB, Java, Javascript, Verilog
- **Frameworks**: MXNET, PyTorch, TensorFlow, Spark, CUDA, Caffe

EXPERIENCE

Stanford University — Stanford, CA
*Research Assistant, Stanford AI Lab, advised by Prof **Fei-fei Li*** — *Oct. 2017 – Present*
- Distributed Proximal Policy Optimization (**DPPO**) for continuous control.
- Unsupervised Learning for poverty prediction from remote sensing imagery.

VMware — Beijing, China
R&D Intern, VMkernel I/O — *Sep. 2016 – May. 2017*
- LSTM for **vSphere** context code completion.
- Bug root cause classification using TF-IDF, LDA, LSTM.

Wuhan University — Wuhan, China
Research and Teaching Assistant, School of Electronic Information — *Jan. 2014 – Sep. 2017*
- Deformable **R-FCN** for remote sensing object detection.

University of California, Los Angeles — Los Angeles, CA
*Research Assistant, Scalable Analytics Institute, Advised by Professor **Carlo Zaniolo*** — *Jul. 2016 – Sep. 2016*
- Diagnostic tool for categorical outliers detection on Apache Spark.

PROJECTS

- **SURREAL:** Stanford University Repository for Reinforcement Algorithms.
- Poverty Prediction by Selected Remote Sensing CNN Features.

SELECTED PAPERS

- **Zhaozhuo Xu**, Xin Xu, Lei Wang, Rui Yang, and Fangling Pu, "Deformable ConvNet with Aspect Ratio Constrained NMS for Object Detection in Remote Sensing Imagery", Remote Sensing 9.12 (2017): 1312 **(IF 3.244)**.PDF
- Fangling Pu, **Zhaozhuo Xu**, Xin Xu, "Unified Management and Control of Heterogeneous Water Quality Measuring Devices via Edge Computing Nodes", to appear in: **IEEE Sensors 2017**.
- **Zhaozhuo Xu**, Fangling Pu, Xin Fang, Jing Fu, "Raspberry Pi Based Intelligent Wireless Sensor Node for Localized Torrential Rain Monitoring", **Journal of Sensors** (IF 1.704), vol. 2016, 2016. PDF

HONORS

- Undergraduate Fellowship (tuition support for full time undergraduate enrollment) — 2017
- Liu Daoyu Scholarship(7 students in undergraduate at Wuhan University) — 2016
- Cross-Disciplinary Scholarship of Science and Technology, UCLA — 2016
- National Scholarship(top 2% in undergraduate all over China) — 2014, 2015
- National Undergraduate Innovation Foundation(G201510486076), Chinese Ministry of Education — 2015