

# Zhaozhuo Xu

<https://ottovonxu.github.io/>

Email  
Linkedin

## EDUCATION

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- **Stanford University** Stanford, CA  
*Electrical Engineering, Master of Science* Sep. 2017 – Jul. 2019
  - Coursework: Machine learning, Computer Vision, NLP, Statistical Signal Processing
- **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

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

## EXPERIENCE

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- **VMware** Beijing, China  
*R&D Intern, VMkernel I/O, Mentor: **Kevin Song*** Sep. 2016 – May. 2017
  - **Open Source Code Mining:**  
LSTM for context code completion.  
Bug root cause classification using TF-IDF, LDA, LSTM.
  - **Virtual IoT OS:**  
Virtualized Internet-of-Things operating systems on **vSphere**.
- **Wuhan University** Wuhan, China  
*Research and Teaching Assistant, School of Electronic Information* Jan. 2014 – Sep. 2017
  - **Research Assistant - Smart Earth Group:**  
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:**  
Improve the scalability and efficiency of state-of-art outlier detection algorithms.

## PAPERS

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- **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”, submitted to: **Remote Sensing**.
- 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

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- 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