

Ling(Ellen) Zhang

Websites : [\[Homepage\]](#) [\[Github\]](#) [\[LinkedIn\]](#)

Objective : Full-time Research/Software Engineer

Email : dearlingzhang@gmail.com

Phone: (347)561-2896

EDUCATION

- **The City College, City University of New York (CUNY)** New York, US
Master of Science in Computer Engineering Aug. 2017 – May 2019
 - **Major Courses:** Advanced Algorithm, Machine Learning, Computer Vision, Artificial Intelligence, Database Systems, Computer Architecture, Probability Statistics, Computer Security. **GPA:** 3.54/4.0
- **Central South University (CSU)** Changsha, China
Bachelor of Engineering in Biomedical Engineering Aug. 2011 – July 2015
 - **Major Courses:** Data Structure and Algorithm Analysis, Database System, Programming Using C++, Object Oriented Programming, Digital Signal Processing, Digital Image Processing.

WORK EXPERIENCE

- **Yintech Investment Holdings, Ltd** [\[Link\]](#) Shanghai, China
Front-end Web Development Dec. 2016 - Aug. 2017
 - Developed and maintained a web application for stock trading and information sharing.
- **Robo Medical, Ltd** [\[Link\]](#) Shenzhen, China
Front-end Web Development July 2015 - Oct. 2016
 - Maintained a web application for sharing medical information and promoting medical products.

PROJECT EXPERIENCE

- **Point Cloud Classification and Segmentation in CVPRW and 3DV 2019** July 2018 - June 2019
 - 1) Proposed a new unsupervised learning approach to learn features with GNNs for point cloud data.
 - 2) The results outperform most methods on ModelNet40 and ModelNet10 point cloud datasets.
 - 3) Master thesis under the supervision of Professor [Zhigang Zhu](#) at CCVCL lab in CCNY.
- **NVIDIA AI City Vehicle Re-ID Challenge in CVPRW 2019** Mar. 2019 - May 2019
 - 1) Designed a multi-granular convolutional neural network for city-scale multi-camera vehicle re-identification.
 - 2) Obtained state of the art results on vehicle re-identification datasets including VRIC, VERI776, and AIC.
 - 3) The project is under the supervision of Professor [Yingli Tian](#) (IEEE Fellow) at CCNY Media Lab.
- **Stock Trading Application at Yintech Investment Holdings, Ltd** Dec. 2016 - Aug. 2017
 - 1) Developed a stock trading application using Vuex, Vue.js frameworks, and ES6.
 - 2) Implemented Trade, Consult, User Center, and Community modules of the trading application.
- **Medical Information Website at Robo Medical, Ltd** Sept. 2015 - Oct. 2016
 - 1) Developed a medical information website using jQuery, Bootstrap, and Swiper.
 - 2) Improved the compatibility of the website with different browsers by using CSS3, ES6, and SASS.

PUBLICATIONS

- **Ling Zhang**, Zhigang Zhu. *Unsupervised Feature Learning for Point Cloud Understanding by Contrasting and Clustering Using Graph Convolutional Neural Networks (3DV)*, 2019. [\[arXiv\]](#)
- **Ling Zhang**, Zhigang Zhu. *Unsupervised Feature Learning for Point Cloud by Contrasting and Clustering With Graph Convolutional Neural Network (CVPRW)*, 2019. [\[PDF\]](#)
- Yucheng Chen, Longlong Jing, Elahe Vahdani, **Ling Zhang**, YingLi Tian, and Mingyi He. *Multi-camera vehicle tracking and re-identification on AI City Challenge 2019 (CVPRW)*, 2019. [\[PDF\]](#)

PROGRAMMING SKILLS

- **Languages:** C/C++, JavaScript, Python, HTML5, CSS3, SSAS, SQL
- **Technologies:** TensorFlow, PyTorch, Matlab, Vue.js, Node.js, ES6, \LaTeX