Li Ding

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Education

University of Rochester **Rochester, NY**
M.S. in Data Science *Jun. 2016 - May 2017*

Central University of Finance and Economics **Beijing, China**
B.S. in Statistics *Sep. 2012 - Jun. 2016*

Skills

- **Deep Learning:** 2-year experience with various frameworks, using `Tensorflow`, `Caffe`, `MXNet`, etc.
- **Python:** 3-year experience with data modeling and processing, using `Numpy`, `Pandas`, `sklearn`, etc.
- **R:** 4-year experience with statistical learning and visualization, using `rpart`, `glmnet`, etc.
- **Others:** Linux (`Bash`), Git, LaTeX, MySQL, MATLAB, PHP, Tableau, Weka, etc.

Experience

Massachusetts Institute of Technology (AgeLab) **Cambridge, MA**
Deep Learning Engineer *Sep. 2017 - present*
– Automated Driving Team, supervised by Lex Fridman and Bryan Reimer.
– **Deep Learning Research**: Working on scene understanding problems, especially semantic front scene labeling.

University of Rochester (Dept. of Computer Science) **Rochester, NY**
Research Assistant *Jun. 2017 - Sep. 2017*
– Retina Lab for Computer Vision, supervised by Prof. Xu, Chenliang.
– **Deep Learning Research**: Working on video understanding problems, especially video action detection.

PricewaterhouseCoopers (PwC) Information Technologies (Shanghai) Co., Ltd. **Shanghai, China**
Data Engineer Intern *Jan. 2016 - Apr. 2016*
– *PwC* Big Data Group, supervised by Partner & Chief Data Scientist Yao, Yuan.
– **Machine Learning**: Applied machine learning techniques on massive customer information data.
– **Software Development**: Built statistical models serving as the back-end of *PwC*'s Big Data Analytics Platform.

Academic

TricorNet: A Hybrid Temporal Convolutional and Recurrent Network **Rochester, NY**
Research at Retina Lab *Feb. 2017 - May 2017*
– A novel approach for video action segmentation, submitted to NIPS '17, available at arXiv: 1705.07818.
– Our proposed Method achieved state-of-the-art performance on three public datasets.

***VisualDX*: Intrusion Detection Against Web Crawler** **Rochester, NY**
Master Degree Practicum *Mar. 2017 - May 2017*
– Sponsored by *VisualDX Inc.*, worked on site, collected data to explore ways of finding potential hackers.
– Designed a runtime intrusion detection model using Recurrent Neural Networks and Derivative Analysis.

Awards

Bronze Medal (Top 6%) in *Kaggle - Data Science Bowl 2017 (Lung Cancer Detection)* *May 2017*

Excellent Youth 2014 - 2015 (Top 2%) by *Central University of Finance and Economics* *May 2015*

Meritorious Winner (Top 10%) in *Mathematical Contest In Modeling (MCM/ICM) 2015* *Apr. 2015*