

# Li Ding

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## Education

**University of Rochester**

**Rochester, NY**

*M.S. in Data Science*

*Jun. 2016 - May 2017*

- GPA 3.76
- Academic Tuition Scholarship
- Retina Group (Deep Learning & Comp. Vision)

**Central University of Finance and Economics**

**Beijing, China**

*B.S. in Statistics*

*Sep. 2012 - Jun. 2016*

- Class Ranking #8 (out of 37)
- Excellent Youth 2015 (%2 of undergraduates)

## Skills

- **Python:** 3-year experience, 4 *Kaggle* competitions, using Numpy, Tensorflow, XGBoost, sklearn, etc.
- **R:** 4-year experience with statistical learning and visualization, using rpart, glmnet, etc.
- **SQL:** 2-year hands-on experience with enterprise-level MySQL databases, also MongoDB, Spark.
- **Others:** Linux (Bash), Git, GPU Computation (Cudnn), MATLAB, PHP, Tableau, Weka, etc.

## Work Experience

**University of Rochester (Computer Science Department)**

**Rochester, NY**

*Research Assistant*

*Jun. 2017 - present*

- Retina Group for Deep Learning & Computer Vision, supervised by Prof. Xu, Chenliang.
- **Deep Learning:** Working on video understanding problems, especially video action detection.

**PricewaterhouseCoopers (PwC) Information Technologies (Shanghai) Co., Ltd.** **Shanghai, China**

*Data Analyst 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** (PwC's Big Data Analytics Platform): Partnered with PwC's Software Team, built various statistical and econometric models serving as the back-end of the platform, using **Python** and **R**.

## Academic

**TricorNet: A Hybrid Temporal Convolutional and Recurrent Network**

**U of Rochester**

*Research in Retina Group*

*Feb. 2017 - May 2017*

- Introduced a novel **Deep Learning** approach for video action segmentation, under review at NIPS '17.
- Used Python and Tensorflow for experiments. The proposed model achieved state-of-the-art performance.

**VisualDX: Intrusion Detection Against Web Crawler**

**U of Rochester**

*Practicum for M.S. in Data Science degree*

*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.

**Improving Fine-grained Image Classification by Edge Detection**

**Univ. of Rochester**

*Private Project, CSC 577 (Advanced Topics in Computer Vision)*

*Oct. 2016 - Dec. 2016*

- Developed different structures combining edge detection with modern **Deep Learning** CNNs (VGG-16).

## Awards

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

*May 2017*

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

*Apr. 2015*