Dapeng Li **M.S. Candidate in Computer Science** **Oregon State University**

PERSONAL

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Permanent Resident in the US. Seeking a full-time job or internship in Software Engineering.

EDUCATION

Oregon State University, School of EECS

M.S. Student in Computer Science (AI Group) GPA: 4.0/4.0 *Sep. 2015 – June 2017*

Full Scholarship with Teaching Assistantship

CS 534: Machine Learning	CS 519: Deep Learning
CS 540: Database Management Systems	CS 533: Reinforcement Learning
CS 550: Introduction to Computer Graphics	CS 515: Algorithms and Data Structures
CS 572: Computer Architecture	CS 516: Theory of Computation

City University of New York, Queens College

Non-Degree Student in Computer Science GPA: 4.0/4.0 (all A+) *Sep. 2014 – July 2015*

University of Southern California, Keck School of Medicine

M.S., Molecular Microbiology and Immunology GPA: 3.78/4.0 *Sep. 2010 – May 2012*

Qingdao University, Medical College

B.S., Clinical Medicine GPA: 87/100 *Sep. 2005 – July 2010*

RESEARCH PROJECTS

Machine Learning: Kaggle competition "What's cooking?" *Fall 2015*

- Multiclass classification (`scikit-learn`) enhanced by word embeddings (`word2vec`);
- Hierarchical clustering of cuisines with Ward linkage
- Dimensionality reduction using PCA: project all cuisines onto two dimensions

Deep Learning for Natural Language Processing: Neural Translation *Winter 2016*

- Used pytorch-based seq2seq encoder-decoder (OpenNMT-py) for machine translation
- Used byte pair encoding (BPE) to reduce vocabulary size
- Trained on 100k Chinese-English sentence pairs, and got 29.0 BLEU score on NIST 02.

Database Management Systems: housing price prediction using data crawled from craigslist.org for Corvallis area. *Winter 2017*

- Collected data by crawling the Web using `Scrapy`
- Stored and queried the data using `MySQL`
- Trained two regression models (linear and neural) to predict price (`scikit-learn`)

Computer Graphics: animated 3D scene of the solar system using OpenGL. *Fall 2016*

COMPUTER SKILLS

- *Languages:* Python, Java, C/C++, LaTeX, Haskell, SQL, Prolog, JavaScript, HTML/CSS
- *Toolkits/Libraries:* scikit-learn, pytorch, Keras, OpenGL, Hadoop, MySQL
- *Operating Systems*: Linux/Unix (Shell script), Mac OS X, Windows

TEACHING EXPERIENCE

CS 344, Operating Systems I (Spring 16, Fall 16, Winter 17);
CS 325, Algorithms (Winter/Summer 16, Spring 17); **CS 261, Data Structures** (Fall 15).

PUBLICATION

- Z. Zhao, S. Oh, **Dapeng Li**, et al. (2012), A Dual Role for UVRAG in Maintaining Chromosomal Stability Independent of Autophagy, *Development Cell*, **23** (5), 1001-16.