

PERSONAL ✉ amyleedapeng@gmail.com in [linkedin.com/in/dapeng-li](https://www.linkedin.com/in/dapeng-li) ☎ 610-751-1355
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US Permanent Resident. Experience in machine learning, deep learning, natural language processing, web development, and mobile/cloud development.

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
CS 290: Web Development	CS 496: Mobile & Cloud Software Development

City University of New York, Non-Degree Student in Computer Science, GPA: 4.0 *July 2015*

USC Keck School of Medicine M.S., Molecular Microbiology & Immunology *May 2012*

Qingdao University, Medical College B.S., Clinical Medicine *July 2010*

COMPUTER
SKILLS

- *Languages:* Python, Java, C/C++, L^AT_EX, Haskell, SQL, Prolog, JavaScript, HTML/CSS
- *Toolkits:* scikit-learn, PyTorch, Keras, OpenGL, Hadoop, MySQL, MongoDB, Django, NLTK
- *Other:* Linux/Unix (Shell script), Mac OS X, Git, Visual Studio, Eclipse, Android Studio, Bootstrap, iPython Notebook

RESEARCH
PROJECTS

- 🐙 **Machine Learning:** [Kaggle competition](#) “What’s cooking?” *Fall 2015*
(classification accuracy: 79.0%; top 15% in competition)
 - 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 *Winter 2017*
(Score for Neural Network Regression Model: 73.3%)
 - Collected data by crawling [craigslist.org](#) for Corvallis area 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*

TEACHING
EXPERIENCE

CS 344, **Operating Systems I**: (160 students) (Spring 16, Fall 16, Winter 17);
CS 325, **Algorithms** (180) (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.