Jing Luo

M.S. in Computer Science - Yale University - New Haven, CT 06520
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Education

Yale University **New Haven, CT**
- Master student, Department of Computer Science. *August 2018 – Now*
- Relevant coursework: Object-Oriented Programming, Data Mining & Machine Learning, Optimization Techniques, Computational Intelligence for Games.

Shanghai Jiao Tong University **Shanghai, China**
- B.Eng in Computer Science. GPA: Overall: 90.3/100 (Ranking: 5%) | Major: 92.8/100 *August 2014 – July 2018*
- Enrolled in the Zhiyuan Honors Program of Engineering (an elite program for top 3% talented students).
- Relevant coursework: Calculus, Linear Algebra, Probability, Algorithms & Data Structures, Operating Systems, Computer Networks, Database Systems, Linux Kernel, Computer Security and Cryptography.
- Standard Test: TOEFL: 107 (R29, L29, S24, W25) | GRE: V159, Q170, W3.5

Nanyang Technological University **Singapore**
- Exchange student, School of Computer Science and Engineering. GPA: 4.8/5.0 *August 2016 – December 2016*
- Took 5 advanced-level courses including Software Engineering, Compiler Techniques and Artificial Intelligence.

Internships

Megvii (Face++), Student Intern **Beijing, China**
Model Computing Group | *Mentor: Xiangyu Zhang* *January 2018 – July 2018*
Launched and deployed a distributed multi-task learning platform (patent pending). With a parameter server and several task sites, the platform implemented joint training over different data sources, which helped Megvii win four world titles in Joint COCO and Mapillary Recognition Challenge at ECCV 2018.

Microsoft Research Asia, Research Intern **Beijing, China**
Visual Computing Group | *Mentor: Jifeng Dai* *September 2017 – January 2018*
Optimized Deformable R-FCN. Contributed to the release of the code of deformable R-FCN based on the newly released Gluon API of MXNet. Tested the performance of this detection framework with different backbone networks.

University of Oxford, Research Intern **Oxford, UK**
Computational Health Informatics Lab | *Advisor: Prof. David Clifton* *June 2017 – September 2017*
Proposed multi-label learning to predict drug resistance of tuberculosis. Applied algorithms such as variational auto-encoder on the genomic data to form clusters and built machine learning models to predict drug resistance.

Technical Skills

Programming Language

Proficient: `C`, `C++`, `Python`, `R` | **Intermediate**: `Java`, `SQL`, `Matlab`, LaTeX | **Basic**: `JavaScript`, `PHP`, `HTML/CSS`

Competition Experience

- **AI Challenger: Scene Recognition**
  Developed a CNN model to recognize 80 kinds of everyday scenes and ranked top 10%.
- **Kaggle Playground Prediction Competition: Dog Breed Identification**
  Designed a classifier by fine tuning `inception-v3` model and ranked 5/500+ in the leaderboard.

Side Projects

Codes are available at `https://github.com/Jing-Luo`
- **BASIC Interpreter on Cortex-M4** | `C` *Embedded System Design*
- **Simulated Pipelined CPU Design** | `Verilog` *Advancded Computer Architecture*
- ***Elema*, an Online Food Ordering System** | `SQL, PHP, JavaScript` *Database Systems*
- ***SingBiker*, an Android Navigation App for Singapore** | `Java` *Software Engineering*
  Demo video: `https://www.youtube.com/watch?v=iixvHfOsals`
- **Light-weight CNN Model Design for Faster and Better Object Detector** | `Python` *Bachelor 's Thesis*

Online Coursework

Machine Learning (Stanford), CNNs for Visual Recognition (Stanford), Deep Learning (deeplearning.ai).