Jingyu Li

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EDUCATION

Massachusetts Institute of Technology **Cambridge, MA**
Candidate for B.S. in *Electrical Engineering and Computer Science* Graduation: June 2018
Coursework: Software Construction, Machine Learning, Design and Analysis of Algorithms, Circuits and Electronics, Computation Structures, Intro EECS, Principles of Discrete and Applied Math, Psychology

High School Coursework at University of Wyoming **Laramie, Wyoming**
Artificial Intelligence, Modern Robots (Evolutionary Robotics), Dynamic Data App & Big Data, Scientific Computing, Computational Methods, Matrix Theory, Linear Algebra, Computational Geomathematical Modeling, Differential Equations

SKILLS

Machine learning, TensorFlow/deep learning, natural language processing, OpenCV, Linux, Java, Python, C/C++, MATLAB/Octave, HTML, CSS, LaTeX, Photoshop, Chinese

INTERESTS

Artificial intelligence, human technology interaction, medical technology, photography, design

PROFESSIONAL EXPERIENCE

Software Intern at Basis Technology **Cambridge, MA**
- Worked on natural language processing as part of the Rosette for Names team Summer, 2016
- Introduced and experimented with deep learning approach to conquer multilingual name matching

Co-founder of Insightfully Technologies Inc. **Cambridge, MA**
- Analyzed social network data and used natural language processing to perform intelligent searches and match users with opportunity May 2015 – May 2016

Externship at AnthroTronix (human technology interaction company) **Silver Spring, MD**
- Worked on machine vision project using OpenCV January, 2015
- Mentored elementary and middle school girls VEX IQ robotics team

PROJECTS & RESEARCH

Machine learning game player **Cambridge, MA**
- Implemented support vector machine to play card game Fall 2015

HackMIT 2015 **Cambridge, MA**
- Worked with team of four to create an iOS application using Clarifai's visual processing API and Wolfram Alpha API, to identify food from and give nutrition facts of photos of food taken by user.

Publication and Member of Evolving AI Lab **University of Wyoming**
- Published in Proceedings of the Genetic and Evolutionary Computation Conference (GECCO) July 2014
  "Encouraging Creative Thinking in Robots Improves Their Ability to Solve Challenging Problems"
- Received ACM-W and SIGEVO GECCO 2014 student travel grant to attend and present my work at GECCO
- Utilized Advanced Research Computing Center: Mount Moran (high performance computing cluster)

High Performance Computing and Watershed Modeling **University of Wyoming**
- Research experience for undergraduates on high performance computing and watershed modeling Summer 2013
- Collaborated with team members to plan and build a multi-component project

HONORS AND AWARDS

USA Mathematical Olympiad qualifier 2013

Wyoming State Science Fair: "Machine Learning in Gesture Recognition" 2013
- Used machine learning to train classifier to recognize simple gestures
- Intel Excellence in Computer Science Award