Jacqueline Xu

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jackiexu@mit.edu | 484.885.7184

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)
BS in Computer Science
Expected May 2017 | Cambridge, MA
Concentration in Theater Arts

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)
MEng. in Computer Science
Expected May 2018 | Cambridge, MA
Concentration in Artificial Intelligence

LINKS

Github:// **jackielxu**
LinkedIn:// **jacquelinelxu**
WordPress:// **thedailyxu**
Quora:// **Jacqueline-L-Xu**

COURSEWORK

UNDERGRADUATE
Bayesian Inference
Online Methods in ML
Intro to Machine Learning & AI
Algorithms Design & Analysis
Systems Engineering
Computer Architecture

SKILLS

PROGRAMMING
Very Familiar:
Python • HTML/CSS • Javascript
Familiar:
Java • Tensorflow • Torch • C++
NodeJS • Apache Spark
Julia • MATLAB • R • LaTeX

LANGUAGE
Spanish • Mandarin

INTERESTS

Machine Intelligence
Entrepreneurship
Education
Health Cancer • Genomics • Brain
Writing
Music Jazz • Voice

Fun fact: Sang at Carnegie Hall with high school choir for the debut for Eric Whitacre's opera Paradise Lost: Shadows and Wings.

PROFESSIONAL EXPERIENCE

RETAILMENOT | Software Engineering Intern
Jan 2016 | Austin, TX
- Applied word embeddings and clustering algorithms to search for relevant coupon recommendations on RetailMeNot's Shopping List web application. (Pushed into production.)
- Detected and filtered coupon recommendations on RetailMeNot's mobile and web application. (Pushed into production.)

EMBEDLY | Data Engineering Intern
June 2015 – Aug 2015 | Boston, MA
- Developed an end-to-end, real-time recommendation system to suggest related video content to the users of Embedly clients, using entity recognition, word embeddings, and nearest neighbor clustering.
- Analyzed company user data with Apache Spark.

RESEARCH

COMPUTATIONAL COGNITIVE NEUROSCIENCE LAB
Harvard University | Undergraduate Researcher
May 2016 – Present | Cambridge, MA
- Tested augmentations to traditional reinforcement learning (RL) algorithms to create more human-like AI. Techniques explored include automatic theory-discovery and object-oriented RL.
- Worked in Prof. Sam Gershman's group.

COMPUTATIONAL COGNITIVE SCIENCE GROUP
MIT | Undergraduate Researcher
Sept 2015 – Present | Cambridge, MA
- Researched techniques based on Deep Reinforcement Learning to create intelligent systems that can play the Atari games through subgoal learning, inverse reinforcement learning, and curriculum learning.
- Worked in Prof. Joshua Tenenbaum's group.

THE MEYERSON LAB
Broad Institute | Undergraduate Researcher
June 2014 – Jan 2015 | Cambridge, MA
- Investigated pathways in lung adenocarcinoma through bench top and bioinformatics analyses.
- Worked in Dr. Matthew Meyerson's lab of the Broad Institute's Cancer Program

ORGANIZATIONS

CAMP KESEM AT MIT | Co-Director
- Directed an 90-person student group and a 16-person leadership board, fundraising almost $150,000 within one year to put on two weeks of free camp for 180 kids of cancer patients.

MIT WOMEN IN EECS | Founder & Co-President
- Started an undergraduate community for women studying EECS at MIT, featuring a mentorship program, dinners with faculty or industry leaders, and tech talks by students.