Sophie Mori

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EXPERIENCE

Basis Technology | Digital Forensics Software Engineering Co-op
August to December 2016 | Cambridge, MA
- Implementing feature requests and fixing bug issues for the open source Autopsy digital forensics software and the investigation analysis tools in The Sleuth Kit

ARM Holdings | English Coaching Intern
June to July 2014 | Shanghai, China
- Trained employees in conversational and business English
- Taught lessons on American culture

RESEARCH

SUTD statNLP group (NLP and big data)
June to August 2016 | Singapore University of Technology and Design
- Worked with word embeddings, dependency path encodings, and LSTM neural nets to replicate study in the field of hypernymy detection

MIT Computer Science and Artificial Intelligence Laboratory
May 2015 to March 2016 | Massachusetts Institute of Technology
- Helped build a database of ESL sentences annotated for part-of-speech markers and dependency grammar relations, published under UD Treebanks
- Paper at https://arxiv.org/abs/1605.04278

MIT Experimental Syntax and Semantics Laboratory
February to May 2015 | Massachusetts Institute of Technology
- Designed and conducted eye-tracking experiments for linguistic studies regarding implicatures and wh-movement

LEADERSHIP AND ACTIVITIES

Intro to EECS I | Lab Assistant | Spring 2016
- Helped students with Python programming and circuit design during design labs

Mathematics for CS | Lab Assistant | Fall 2015
- Coached group of 7 students during in-class problem solving sessions

Next Haunt | Lead Puzzle Designer | Fall 2015
- Developed puzzles for a student-built escape-the-room haunted house
- Provided the experience, free of charge, to over 300 people

MIT-SUTD Global Leadership Program | Participant | Summer 2015
- Ten-week residential program with 30 students from Singapore
- Team project: designed and built an electric motor boat, placed first

MIT Educational Studies Program | Director, Teacher, Admin, Treasurer
- Summer HSSP 2015: co-taught a 6-week class How Computers Work
- Spring HSSP 2015: directed a 7-week weekend enrichment program
- Splash 2014: directed walk-in activities for 2-day program, 2500 students

Other Activities
- North American Computational Linguistics Olympiad jury member & grader, 2018 class council social chair, MIT orientation aquarium puzzlehunt, MIT concert choir, Next Act musical cast member

EDUCATION

Massachusetts Institute of Technology
B.S. in Computer Science
B.S. in Linguistics
Expected graduation:
June 2019
Cambridge, MA
GPA: 4.94/5

COURSEWORK

Computer Science
Algorithms
Artificial Intelligence
Computation Structures
Machine Learning
Mathematics for CS
Software Construction

Linguistics
Paradox and Infinity
Phonology
Syntax

Other
Electronics for Mechanical Systems
Linear Algebra
Probability and Random Variables

SKILLS

Technical
Java, Python, SQL, Git, HTML, CSS, MS Excel

Language
English (native level)
Spanish (intermediate)
Mandarin (conversational)

Mechanical
Wordworking, Lathe, Mill, CNC Router

LINKS

Github:
/wishdasher
LinkedIn:
/in/ksmori
Teaching:
https://esp.mit.edu/teach/teachers/ksmori/bio.html