

Sophie Mori

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EXPERIENCE

Khan Academy | Software Engineering Intern

June to August 2017 | Mountain View, California

- Worked on new header for homepage, new topic study guide, and College Board partnership branding, using React, Redux, Aphrodite CSS, and Python

Basis Technology | Digital Forensics Software Engineering Co-op

August to December 2016 | Cambridge, MA

- Implemented feature requests and fixed issues for open source digital forensics tools: Autopsy, the graphical interface, and The Sleuth Kit, the underlying investigative tools

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

- Led a team to develop puzzles for a student-built escape-the-room haunted house
- Provided the experience, free of charge, to over 300 people over two weekends

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

- Various teaching, directing, and organizing roles for programs reaching thousands of students yearly

Other Activities

- North American Computational Linguistics Olympiad jury member & grader, MIT Concert Choir, Next Act Musical, Future of Libraries Task Force

EDUCATION

Massachusetts Institute of Technology B.S. in Computer Science B.S. in Linguistics

Graduation: June 2019

Cambridge, MA

Cumulative GPA: 4.94/5

In-major GPA: 5/5

Aquincum Institute of Technology C.S. Study Abroad

Spring 2017

Budapest, Hungary

COURSEWORK

Computer Science

Algorithms

Artificial Intelligence

Computation Structures

Machine Learning

Mathematics for CS

Software Construction

Applied Cryptography

Linguistics & Others

Phonology

Syntax

Linear Algebra

Probability

SKILLS

Technical

Java, Python, Android, Git, React, Redux, HTML, CSS,

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>