

Sophie Mori

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WORK EXPERIENCE

Khan Academy | Software Engineering Intern

June to August 2018 | Mountain View, CA

- Designed dev-facing API and implemented components for a new company-wide UI library, focusing on usability and accessibility
- Repo is open source at <https://github.com/Khan/wonder-blocks>

June to August 2017 | Mountain View, CA

- Worked on new homepage header, study guide layout, and partnership branding

Basis Technology | Software Engineering Co-op

August to December 2016 | Cambridge, MA

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

RESEARCH

MIT Computer Science and Artificial Intelligence Laboratory

September 2018 to current | Software Design Group

- Creating an intuitive interface for Espalier, an end user spreadsheet-based development tool for building data-centric web applications

May 2015 to March 2016 | InfoLab Group

- 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>

Singapore University of Technology and Design

June to August 2016 | NLP and Big Data Research Group

- Worked with word embeddings, dependency path encodings, and LSTM neural nets to replicate a study on hypernym relation detection

MIT Experimental Syntax and Semantics Laboratory

February to May 2015

- Designed and conducted eye-tracking experiments for linguistic studies regarding implicatures and wh-movement

LEADERSHIP AND ACTIVITIES

MIT EECS Course Staff | Lab/Teaching Assistant

- Software Construction: taught good coding practices, mentored team projects
- Introduction to EECS: assisted with programming and circuit design labs
- Mathematics for CS: coached in-class group problem solving sessions

Teaching and Educational Experience

- Monterrey, Mexico: led a computational thinking workshop for local girls
- Catalonia, Spain: taught programming, calculus, physics to pre-college students
- MIT Educational Studies Program: various teaching and directing roles for educational programs reaching thousands of middle and high school students yearly

Next Haunt | Lead Puzzle Designer

- Led the puzzle development team for an in-dorm haunted escape-the-room

EDUCATION

Massachusetts Institute of Technology Masters of Engineering

Graduation: June 2020

B.S. in Computer Science B.S. in Linguistics

Graduation: June 2019

GPA: 5/5

Aquincum Institute of Technology C.S. Study Abroad

Budapest, Hungary

Spring 2017

Best student award

COURSEWORK

Airport Systems

Algorithms I and II

Applied Cryptography

Artificial Intelligence

Compilers

Computation Structures

Computer Systems

Database Systems

Linear Algebra

Machine Learning

Natural Language Processing

Software Construction

Theory of Computation

User Interface Design

SKILLS

Technical

Java, Python, SQL,

HTML, CSS, JavaScript,

React, Android, Git

Language

English (native level)

Spanish (intermediate)

Mandarin (conversational)

LINKS

Github: [/wishdasher](#)

LinkedIn: [/in/ksmori](#)

Teaching:

<https://esp.mit.edu/teach/teachers/ksmori/bio.html>