

# Lucy Li

305 Memorial Dr • Cambridge, MA 02139  
lucyyli@mit.edu • 248-885-6483 • www.linkedin.com/in/lucyli98

## EDUCATION

### Massachusetts Institute of Technology (MIT)

Cambridge, MA

*Bachelor of Science in Computer Science and Engineering, Major GPA: 5.0/5.0*

*June 2020*

*Relevant Courses:* Embedded Systems; Math for CS; Linear Algebra; Intro to Algorithms; Intro to Artificial Intelligence; Elements of Software Construction, Computation Structures, Deep Learning Practicum

## EXPERIENCE & PROJECTS

### Intersective, Sydney, Australia – Data Science Intern

*June 2018 - August 2018*

- Used regression models, decision trees, and SVM to build machine learning models to predict whether a student would give feedback after taking a course; resulted in 82% accuracy – *Python*
- Wrote script to extract relevant features, such as number of logins and assessment scores, from the Practera platform database in an organized format to be processed – *Python, SQL*

### Software Engineering Lab, Cambridge, MA/MIT – Team member

*April 2018 – May 2018*

- Built a karaoke player, using ParserLib to parse abc files, the Java MIDI API to play back the music, and a web server to stream the lyrics for multiple people to sing along – *Java*

### Jane Street Insight Program, New York City, New York – Program participant

*January 2018*

- Programmed a bot to trade on a simulated stock exchange for the Electronic Trading Competition – *Python*
- Learned OCaml and used the associated libraries and tools to program the Snake game

### Youth Global Network, Hong Kong/MIT – Software Engineering Intern

*June 2017 – December 2017*

- Rewrote MIT's App Inventor main screen UI components to replace GWT with React.js
- Implemented a new dynamic tutorial bar that monitors the actions and progress of a user and updates instructions accordingly – *Javascript, React*

### EB Innovations, Boston, MA – Data Analyst Research Assistant

*December 2016 – March 2017*

- Entered, processed, and analyzed experimental data from a clinical trial performed with an Augmented Infant Resuscitator, winner of MIT's IDEAS Global Challenge in 2014 – *Python*
- Determined that the device improves accuracy of diagnoses by at least 5%

## LEADERSHIP & SERVICE

### Society of Women Engineers, MIT – High School Outreach Chair

*February 2017 - Present*

- Organization to inspire younger generations about engineering, encourage the notion of diversity, and advocate for the needs of women engineers at MIT and the broader community
- Lead hands-on activities and workshops to teach high school students how to identify problems in their community, prototype their solutions, and pitch their ideas

### MIT Global Teaching Labs, Jordan – High School Teacher

*January 2018*

- Designed the curriculum and taught an Introduction to Programming through Python and Arduino course to high schools in Amman, Jordan

### Global Poverty Initiative, MIT – High School Outreach Chair

*October 2016 – May 2018*

- Coordinated various on campus events to raise awareness and promote poverty education
- Developed curriculum for CodePhil, a project to teach coding to rural high school students in the Philippines
- Taught high school students web development and animation in Lavezares, Phillipines for 3 weeks in August

## SKILLS

*Programming Languages:* Python, Java, C/C++ (basic), HTML/CSS, JavaScript, SQL

## ACTIVITIES & INTERESTS

Flute • Dance • Traveling • Baking • Gaming • Ukulele • Racquet sports • Photography • Asian Christian Fellowship