

# Eric Luu

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- Education**    **Massachusetts Institute of Technology (MIT)**    Cambridge, MA  
Candidate for B.S. in Computer Science, GPA: 4.8/5.0    Expected June 2019  
Relevant Coursework: Elements of Software Construction, Intro to Algorithms, Intro to Inference, Computation Structures, Linear Algebra, Intro to Machine Learning, User Interface Design and Implementation, Probability and Random Variables
- Skills**    *Programming:* Python, Java, C, Processing, HTML, CSS, SASS, Javascript, JQuery  
*Languages:* Cantonese (Native), Spanish (Intermediate), Mandarin (Elementary)  
*Software:* Git, Adobe Acrobat Pro, Microsoft Office
- Experience**    **MIT Department of Electrical Engineering and Computer Science**    Cambridge, MA  
Course Assistant/Laboratory Assistant    Jan 2017 – Feb 2017
- Completed newly-designed readings and exercises to ensure smooth operation of MIT's first offering of A Brief Introduction to Programming in Python (6.s080)
  - Staffed office hours daily to guide students through biweekly programming exercises
- MIT MacGregor House**    Cambridge, MA  
Desk Worker    Sept 2016 – Present
- Sort and deliver packages for dorm residents to retrieve after email notification.
  - Monitor lending of keys to residents seeking to reserve house facilities.
- MIT Department of Economics**    Cambridge, MA  
Undergraduate Research Assistant    Feb 2016 – May 2016
- Collaborated with PhD student to convert PDF tables detailing frequency of MRI scans in North Carolinian hospitals (1997-2016) to Excel spreadsheets with Adobe Acrobat Pro
  - Wrote Python scripts to scrape tabular data from HTML and to flag data entries improperly-transcribed after conversion from PDF to Excel
- Projects**    **ABC Music Player (Java)**    Cambridge, MA  
Massachusetts Institute of Technology    Dec 2016
- Class group project designed to play music from abc files through the Java MIDI API
  - Designed an immutable abstract data type to represent various elements in sheet music such as notes, rests, chords, and tuplets
  - Used class-provided parsing library and grammar to parse abc files and to convert parse trees into abstract syntax trees needed for sending music to a Java MIDI player
  - Wrote extensive JUnit tests to ensure that abc files were parsed properly and that the methods for each concrete variant of the immutable abstract data type behaved as expected
- Word Search Puzzle Generator (Java)**    New York, NY  
Stuyvesant High School    Nov 2014
- Read contents from .txt file of words to create rectangular puzzles with dimensions and number of hidden words specified by the user through the command window
- Activities**    **MIT Undergraduate Practice Opportunities Program**    Cambridge, MA  
Participant    Oct 2016 – Present
- Participating in yearlong program that prepares MIT sophomores for workplace success
  - Completed an intensive one-week workshop on effective communication, decision-making, and teamwork taught by industry professionals and MIT alums