Eric Luu

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Education	**Massachusetts Institute of Technology (MIT)**	Cambridge, MA

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, HTML, CSS, SASS, Javascript, JQuery, PHP
Languages: Cantonese (Native), Spanish (Intermediate), Mandarin (Elementary)
Software: Git, Drupal 7/8, Adobe Acrobat Pro, Microsoft Office

Experience

Guardian Life Insurance Company of America — New York, NY
Information Technology Intern — Jun 2017 – Aug 2017
- Developed the front end of a responsive Drupal 7 website that exposes Guardian's APIs for internal use by Guardian's IT department. Built using HTML, SASS, Javascript, and PHP
- Collaborated with senior developers and UX designer through concept and development of deliverables through Bitbucket, weekly Skype meetings, and code review

MIT Department of Electrical Engineering and Computer Science — Cambridge, MA
Course Assistant/Laboratory Assistant — Jan 2017 – Feb 2017
- Completed newly-designed readings and programming 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 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

Where's My Money (HTML/CSS/Javascript) — Cambridge, MA
Massachusetts Institute of Technology — May 2017
- Course group project: a user-friendly website for parents of college students to manage finances
- Implemented jQuery datepicker calendar widget and buttons so that users can filter mock expenses and transactions by date and bank accounts
- Styled header with options for users to add up to five mock bank accounts, transfer money between bank accounts, and process mock incoming requests for money from children in college

ABC Music Player (Java) — Cambridge, MA
Massachusetts Institute of Technology — Dec 2016
- Course group project designed to play music from abc text files through the Java MIDI API
- Designed an abstract data type to represent sheet music elements such as rests, chords, and tuplets
- Used class-provided parsing library and grammar to parse abc text 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 text files were parsed properly and that the methods for each concrete variant of the immutable abstract data type behaved as expected

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