

## Emily Lu

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CONTACT INFORMATION	Ignacio Hall A25 Boston College Chestnut Hill, MA 02467 USA	Voice: (610) 203-0730 E-mail: luem@bc.edu WWW: www.emilydlu.com
EDUCATION	<b>Boston College</b> , Chestnut Hill, MA USA <b>September, 2013 - Present</b> B.S. Computer Science, Minor in Biology (expected graduation date: May 2017) Computer Science Courses: CS101(Python), CS102(Java), Logic and Computation, Cryptography, Randomness and Computation, Computer Systems, Computer Organization, Computer Algorithms Machine Learning Math Courses: Multivariable Calculus, Abstract Algebra, Complex Analysis  <b>University of Hong Kong</b> , Hong Kong, HK <b>January - May, 2016</b> Computer Science Courses: Quantum Computation, Programming Technologies and Tools	
HONORS AND AWARDS	Boston College Arts and Sciences Honors Program Boston College Dean's List Sept 2013 - May 2015 University of Hong Kong Museum Society Chinese Material Art Essay Winner	
WORK EXPERIENCE	<b>Mass. Gen. Hospital, Fried Lab</b> , Boston, MA USA <b>March - July, 2017</b> <i>Undergraduate Neuroscience Research Intern</i> Analyzed action potential data collected from mice and rabbit retinas using Spike2 and Matlab. Presented work using PowerPoint and observed dissections.  <b>Hubspot</b> , Cambridge, MA USA <b>June - August, 2016</b> <i>Software Engineering Intern</i> Intern on backend email services. Work included extensive use and designing of APIs and DAO interfaces, running liquibase migrations, writing unit/integration tests with Mockito and building Kafka workers. Built consumer facing Jade templates and shifted backend email sending logic from CoffeeScript to Java. Used Apache Hadoop MapReduce to analyze email data, such as clicks per email portal and campaign. Languages included primarily Java and SQL.  <b>Wayfair</b> , Boston, MA USA <b>June - August, 2015</b> <i>Software Engineering Intern</i> Worked on a full stack project that consisted of designing and populating a pricing model. Model accepted dynamic user input to generate a panel of detailed financial predictions for customers considering use of Wayfair's in-house storage facilities. Back-end was written in SQL and PHP, and front end in Javascript, HTML/CSS and Backbone.js  <b>GENEX Services Inc.</b> , King of Prussia, PA USA <b>June - August, 2014</b> <i>Software Engineering Intern</i> Wrote and implemented procedures and functions within Oracle PL/SQL packages for senior management and engineers. Consolidated company information by creating and updating SQL tables.  <b>Boston College</b> , Chestnut Hill MA, USA <b>September, 2014 - Present</b> <i>Teaching Assistant</i> Duties included leading weekly Python labs, office hours for Python and Logic and Computation courses, and grading homework.	
LEADERSHIP AND SERVICE	<b>Boston College Women in Computer Science</b> <b>September, 2016 - June, 2017</b> <i>Co-President</i> <b>Programming Languages</b> <ul style="list-style-type: none"><li>• Very Proficient: Java, Python, SQL</li><li>• Proficient: HTML, JavaScript, CSS, Latex</li><li>• Developing: C, C++, Bash</li><li>• Human: English (native), Chinese (native), French (fluent)</li></ul>	