

Emily Lu

CONTACT INFORMATION

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San Francisco

EDUCATION

Boston College, Chestnut Hill, MA USA **September, 2013 - May 2017**

B.S. Computer Science, Minor in Biology

Computer Science Courses: CS101(Python), CS102(Java), Logic and Computation, Cryptography, Randomness and Computation, Computer Systems, Computer Organization, Computer Algorithms, Computer Architecture, Machine Learning

Math Courses: Multivariable Calculus, Abstract Algebra, Complex Analysis

University of Hong Kong, Hong Kong, HK

January - May, 2016

Computer Science Courses: Quantum Computation, Programming Technologies and Tools

HONORS AND AWARDS

Boston College Arts and Sciences Honors Program

Boston College Dean's List

WORK EXPERIENCE

Salesforce, Einstein, Boston, MA USA

Software Engineer

July 2017 - Present

Built data infrastructure tools to convert and store our data efficiently, primarily in Scala. Helped build our platform's first external facing API from the ground up, designing and implementing using Spring and Swagger, and packaging with Docker. The API interacts with multiple internal services and will be consumed across the majority of our Einstein infrastructure teams.

Hubspot, Cambridge, MA USA

Software Engineering Intern

June - August, 2016

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.

Wayfair, Boston, MA USA

Software Engineering Intern

June - August, 2015

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

GENEX Services Inc., King of Prussia, PA USA

Software Engineering Intern

June - August, 2014

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.

Boston College, Chestnut Hill MA, USA

Teaching Assistant

September, 2014 - Present

Duties included leading weekly Python labs and holding office hours for Python, Logic and Computation, and Algorithms courses.

LEADERSHIP AND SERVICE

Boston College Women in Computer Science

Co-President

September, 2016 - June, 2017

Programming Languages

- Very Proficient: Java, Python, SQL
- Proficient: HTML, CSS, Latex
- Developing: C, C++, Bash, Scala, Javascript