

LIAM E. ABBOTT

Liam.E.Abbott@gmail.com
(413) 559-7656

linkedin.com/in/liameabbott
github.com/liameabbott

EDUCATION

UNIVERSITY OF MICHIGAN

Master of Science in Applied Statistics

- Coursework in theoretical statistics, applied modeling with a focus on modern statistical learning algorithms, and statistical computing

Ann Arbor, MI

Awarded December 2015

WILLIAMS COLLEGE

Bachelor of Arts in Mathematics

Williamstown, MA

Awarded June 2013

EXPERIENCE

DELOITTE CONSULTING LLP

Data Scientist

Boston, MA

January 2016 – Present

- Using Tableau, developed dashboards combining different data visualizations for various clients
- Analyzed free-form text documents using topic modeling and named entity recognition techniques using various Python scripts
- Developed Python scripts to retrieve, parse, and perform basic sentiment analysis on social media data from Twitter to support a data visualization project for a federal government agency

UNIVERSITY OF MICHIGAN

Graduate Student Instructor

Ann Arbor, MI

August 2014 – December 2015

- Instructor for two lab sections of course “Introduction to Statistics and Data Analysis”
- Responsible for leading weekly lab sessions for 60 students, holding weekly office hours, grading problem sets, and grading exams

TRIPADVISOR, INC.

Analytics Intern

Needham, MA

May 2015 – July 2015

- Developed a new data table in group’s Amazon Redshift data warehouse using Hive and SQL queries to pull and combine data from different internal sources
- Automated the weekly update process of the data table and made the table available to product managers and other non-technical users as a Tableau data source using R scripts
- Created an interactive Tableau dashboard using the new data source to visualize the data and illustrate potential uses; presented the data source and dashboard to senior management

EATON VANCE MANAGEMENT

Research Associate, Bank Loan Group

Boston, MA

July 2013 – July 2014

- Built several models using both linear regression and decision tree techniques to predict corporate credit rating classifications, with the goal of predicting credit rating upgrades or downgrades
- Analyzed primary issuance of sub-investment grade, secured corporate loans and conducted fundamental research on the issuing companies to recommend including or excluding the loans from Eaton Vance bank loan funds

TECHNICAL SKILLS & CONTINUING EDUCATION

- **R:** Experience writing R code to implement statistical models, clean, and visualize data
- **Python:** Experience writing Python scripts to gather, parse, manipulate, and analyze data
- **SQL:** Experience writing SQL and Hive queries to select, extract, and combine data
- **C++:** Experience building basic command-line statistical tools using C++
- **Tableau:** Experience using Tableau to explore data and create custom dashboard visualizations
- **Courses:** Enrolled in the University of California at San Diego’s six course Bioinformatics Specialization on Coursera.org