

Education

Harvard University | Cambridge, MA
AB in Computer Science, Secondary in Statistics

Cumulative GPA: 3.94
May 2019

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Functional Programming, Multivariable Calculus, Linear Algebra and Differential Equations, Computational Theory, Probability

Work Experience

Applied Predictive Technologies | Arlington, VA
Software Engineering Intern

May - August 2017

- Lead varied feature development as part of the modeling and rollout economics team, including implementation of a new model diagnostic tool, support for additional modeling techniques, and regression analysis for computation of new statistics

Omada Health | San Francisco, CA
Software Engineering Intern

May - August 2016

- Proposed architecture and led development of revenue management tool for claim lifecycle
- Implemented third-party APIs for integration with insurance provider billing systems
- Built high-volume search tool for claim resolution by RCM analysts

Yiftee - Local Gifts, On-the-Go | Menlo Park, CA
Software Engineering Intern

January - August 2015

- Overhauled the company's existing Android app and rebuilt it from the ground up in line with Material Design standards
- Designed and developed a management dashboard for reseller clients
- Built merchant portal for the company's 50,000+ partnering stores to manage branding and oversee gifting operations

June - August 2014

- Developed web application that streamlined the use of the company's product by enterprise customers during trade shows
- Redesigned the layout and SEO effectiveness of significant pages for the company's clients

Babajob | Bangalore, India
Software Engineering Intern

September - December 2014

- Developed realtime data-visualization applications for internal usage that outlined key company statistics on sales, applications, hires, and clientele demographics
- Over 500,000 data points could be analyzed at a single time and amassed into interactive charts
- Redesigned the user interface by which users could adjust and complete their profiles, enabling realtime updates to candidates' resumes

Leadership and Extracurriculars

Harvard Computer Society (HCS) | Cambridge, MA
Director of Education

December 2015 - Present

- Organizing project initiatives and mentorship for incoming members, including web and hardware applications which will be implemented on campus as well as the development of two bootcamp series for technical and non-technical concentrators

HackHarvardCollege | Cambridge, MA
Board Member, Director of Logistics

September 2015 - Present

- Part of founding team of HackHarvardCollege, Harvard's first nation-wide hackathon, which attracts over 500 students from more than 100 universities

Teaching Fellow - CS50 | Cambridge, MA

August 2016 - December 2016

- Developed lesson plans and taught a section of 20+ students of CS50, Harvard's intro computer science course - 14 hr/wk

Harvard Open Data Portal (HODP) | Cambridge, MA
Technical Developer

September 2015 - October 2016

- Developed a data portal (see data.gov) of Harvard's public data sets (e.g. endowment, energy usage, crime rates), which will serve as a data hub to assist with future research and application development

Skills and Interests

Technical Skills: Java, C#, R, SQL, Android, Ruby on Rails, AngularJS, Node.js, D3.js, CSS, HTML, JavaScript, jQuery, Socket.io, MongoDB, Elasticsearch

Portfolio: www.erictimmerman.com

Languages: Limited working proficiency in Spanish

Interests: Bollywood dance, squash