

Education

Harvard University | Cambridge, MA
AB in Computer Science

Cumulative GPA: 3.96
May 2019

Relevant Coursework: Data Structures and Algorithms, Functional Programming, Multivariable Calculus, Linear Algebra and Differential Equations, Intro to Theory of Computation (Fall '16), Intro to Probability (Fall '16)

Work Experience

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
- Integrated Twitter's API to enable sending gifts to a recipient via Twitter - thousands of gifts sent at corporate events
- 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
- Implemented a 'deliver-by-hand' option for the digital gift card that customers purchase

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
- Overseeing development of two bootcamp series, the first of which engages incoming members with software fundamentals, the second of which fosters interest in computer science for non-technical concentrators (e.g. creating a personal website)

Teaching Fellow - CS50 | Cambridge, MA

August 2016 - December 2016

- Developing lesson plans and teaching a section of 20+ students of CS50, Harvard's intro computer science course - 12 hr/wk

HackHarvardCollege | Cambridge, MA
Board Member, Director of Logistics

September 2015 - Present

- Part of founding team of HackHarvardCollege, Harvard's first nation-wide hackathon, which attracted over 500 students from more than 100 universities
- Coordinated tech talks and presentations, student transportation, hardware distribution, and other essential jobs during the debut of this 36 hour event

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

September 2015 - Present

- Developing 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: Android, Java, C#, Ruby on Rails, AngularJS, Node.js, D3.js, CSS, HTML, JavaScript, jQuery, Socket.io, SQL, MongoDB, Elasticsearch, Ember.js

Portfolio: www.erictimmerman.com

Languages: Limited working proficiency in Spanish

Interests: Bollywood dance, squash