

BIANCA CAPRETTA

bianca.capretta@gmail.com | 415-450-1000 | biancacapretta.com

Academics

Tufts University Medford, MA

Expected Graduation: May 2019

Studies: Computer Science Major and Cognitive & Brain Sciences Major with a Music Minor

Relevant Courses: Web Programming, Human Computer Interaction, Data Structures, Cyber Security, Algorithms, Programming Languages, Machine Structure & Assembly Language, Discrete Mathematics

Work Experience

LinkedIn | Software Engineer Intern San Francisco, CA

May 2018-Present

- Implemented the front-end of the quick company association feature on Campaign Manager in Ember.js
- Designed API and front-end for quick company page creation feature to mitigate the number of users leaving the campaign creation flow

Microsoft | Explorer Intern Redmond, WA

May-Aug 2017

- Redesigned and developed a navigation feature to improve discoverability on Microsoft Sway with ASP.NET
- Used a tech stack on client-side to implement accessibility features, data-driven numbers, and animation
- Coded flighting to catch triggered feature in experiments; collected & analyzed telemetry in production

Tufts University | Teaching Assistant Medford, MA

Jan-Dec 2017

- Led weekly computer labs for intermediate programming students in Data Structures
- Graded homework and provided individual assistance with homework and projects during office hours

CEEO | Software Engineer Intern Medford, MA

June-Aug 2016

- Built an IFTTT event-driven programming interface for children to better understand concurrency
- Programmed the GrovePi and EV3 on IoT to exchange info between tactile sensors and Twitter posts
- Created an inventory system for the office in Javascript using Google Spreadsheet's Script Editor

Projects

Budget Manipulator Medford, MA

March 2018

- Created a multi-faceted budget sheet with Google Sheets' API allowing one to flex and manage salaries
- Triggers upon edit to adjust percent allocated per salary or yearly rate while maintaining overall budget

JumboCode | Project Manager Medford, MA

August 2018-Present

- Led a team to develop a user experience for the Textbook Exchange Network in the Boston area
- Created an analytics platform to help the Textbook Exchange Network leadership make decisions

Leadership & Activities

Shir Appeal | Music Director Medford, MA

May 2016-May 2017, May 2018-Present

- Led rehearsals seven hours per week, ran auditions, organized song selection, edited & arranged songs
- Recorded, directed, & produced studio album, *Perspective*, nominated for three Contemporary A Cappella Recording Awards

Tufts University | Music Cognition Research Medford, MA

Sept-Dec 2017

- Researched whether musical synchronous activity between people leads to increase in intentional binding
- Studied joint music making, group cohesion, sense of agency, and self-other blurring phenomena
- Coded experiment in Javascript to track intentional binding on EvoThings using Android dev tools

Skills

Programming Languages: Javascript, HTML/XML, CSS, C++, C, C#, Typescript, Python

Tools: Ember.js, Bootstrap, .NET Framework, Google Apps Script, Git, Sketch

Personal: Jazz singing, classical piano, radio host, tennis back-hand, Italian, backpacking uphill, puns/jokes