BIANCA CAPRETTA

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Academics

Tufts University *Medford, MA*   *Expected Graduation: May 2019*
<u>Studies</u>: Computer Science Major and Cognitive & Brain Sciences Major with a Music Minor
<u>Relevant Courses</u>: 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 <u>tactile sensors and Twitter posts</u>
- Created an <u>inventory system</u> for the office in Javascript using Google Spreadsheet's Script Editor

Projects

Budget Manipulator *Medford, MA*   *March 2018*
- Created a multi-faceted <u>budget sheet</u> 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*   *Start August 2018*
- Lead a team in developing customized technology and software for nonprofit organizations
- In charge of planning, team management, and client communication by using agile methods

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 <u>experiment</u> in Javascript to track intentional binding on EvoThings using Android dev tools

Skills

<u>Programming Languages</u>: Javascript, HTML/XML, CSS, C++, C, C#, Typescript, Python
<u>Tools</u>: Ember.js, Bootstrap, .NET Framework, Google Aps Script, Git, Sketch
<u>Personal</u>: Jazz singing, classical piano, radio host, tennis back-hand, Italian, hiking uphill, puns/jokes