

BIANCA CAPRETTA

Cell: (415) 450-1000 Email: bianca.capretta@gmail.com Website: biancacapretta.com

ACADEMICS

Tufts University Medford, MA

Expected Graduation: May 2019

- Majors: Computer Science Major and Cognitive & Brain Sciences Major (CBS) with a Music Minor
- Relevant Courses: Programming Languages, Machine Structure & Assembly Languages, Web Programming
- Relevant Projects: Universal Virtual Machine, Security Vulnerability, Search Engine, Image Compression
- Dean's List: Fall 2015, Spring 2016, Fall 2016

WORK EXPERIENCE

Microsoft Redmond, WA

May – August 2017

Explorer Intern

- Redesigned the navigation feature to improve discoverability on Microsoft Sway as a Program Manager
- Developed a new Table of Contents experience for the user interface as a Software Engineer with ASP.NET; used a tech stack on client-side to implement accessibility features, data-driven numbers, and animation
- Coded flighting to catch the feature's trigger in experiments; collected and analyzed telemetry in production

Tufts University EECS Department Medford, MA

January 2017 – Present

Teaching Assistant

- Taught multiple computer laboratories for intermediate programming students in Data Structures
- Graded homework and provided individual assistance with class homework and projects during office hours

Center for Engineering Education and Outreach (CEEEO) Medford, MA

June – August 2016

Software Engineer Intern

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

LEADERSHIP & ACTIVITIES

Shir Appeal A Cappella Medford, MA

May 2016 – May 2017

Music Director

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

Friday's Films San Francisco, CA

May – June 2015

Film Intern

- Used different cameras & lighting equipment to film stock footage; edited video clips for commercials
- Wrote, filmed, edited, and produced three short videos using a RED 4K camera and Final Cut Pro

Warm One Body San Francisco, CA

October 2012 – June 2015

Chief Executive Officer

- Ran a 501(c)(3) non-profit organization to provide hats, gloves, and socks to homeless people during winters
- Fundraised \$17,000 in three years to provide over 2,100 people with 6,300 articles of clothing

SKILLS AND INTERESTS

- Technical Tools: C, C++, C#, Typescript, Javascript, HTML/CSS, Git, Visual Studio, Google Apps Script
- Skills: Final Cut Pro, SPSS, and music software (Logic, MuseScore, Noteflight, & GarageBand)
- Interests: Playing jazz piano, singing, running a radio station, playing tennis, speaking Italian, and hiking