

BIANCA CAPRETTA

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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: Machine Structure & Assembly Languages, Web Programming, Data Structures
- Relevant Projects: Image Rotation, Unblackedges, Sudoku Solutions, Directory Search Engine
- Dean's List: Fall 2015, Spring 2016, Fall 2016

WORK EXPERIENCE

Tufts University EECS Department Medford, MA

January 2017 – Present

Teaching Assistant

- Grade homework for Data Structures course
- Help teach computer laboratories for intermediate programming students
- Provide individual assistance with class homework and projects during open office hours

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

June – August 2016

Software Engineer Intern

- Built a simple IFTTT (“if-this-then-that”) interface for children to better understand code
- Applied the GrovePi and EV3 to the Internet of Things by taking tactile objects and producing virtual outputs
- Created an inventory system for the office in Javascript

Friday's Films San Francisco, CA

May – June 2015

Film Intern

- Learned the film-making process from the initial creative development stage to post-production
- Worked hands-on with different cameras and lighting equipment, and filmed stock footage

Radio Sausalito Sausalito, CA

August 2013 – August 2014

Sound Engineer

- Managed settings and dials to optimize audio and edited the radio station's sound system
- Monitored live radio via AM, Cable, and Internet media while running musical shows on air

LEADERSHIP & ACTIVITIES

Shir Appeal Medford, MA

May 2016 – Present

Music Director

- Lead rehearsals for seven hours per week, group auditions, solo auditions, arrangement assignments, and part assignments. Compose arrangements and edited arrangements of other group members
- Directed the production of studio album, *Perspective*, which was nominated for three Contemporary A Cappella Recording Awards (CARAs)

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.
 - Raised enough money to provide over 2,100 people with 6,300 articles of clothing
 - Awarded a \$500 dollar grant from Tutor Corps; bought 70 extra sets of hats, gloves, and socks

PERSONAL SKILLS AND INTERESTS

- Skills: Proficient in programming languages (C, C++, HTML, Javascript, Python, and Java), SPSS, Final Cut Pro, and music software (Logic, Musescore, and Garageband)
- Interests: Classical & contemporary piano, a cappella, musical theatre, tennis, Italian, and hiking