

EDUCATION

Tufts University, Medford, MA

Major: Cognitive and Brain Sciences

Minors: English, Computer Science

Class of 2019

3.5 GPA

SKILLS

C

C++

R

SPSS

JavaScript

HTML/CSS

PHP

Python

Unix

Assembly Language

HONORS

Dean's List, Tufts University

Spring 2016, Fall 2017, Fall 2018

PROFESSIONAL EXPERIENCE AND DEVELOPMENT

Science Policy Bootcamp, MIT Science Policy Initiative January 2020

5-day course designed to expose participants to the fundamental structure and dynamics of science policy and inform them of routes into a policy experience or career. The course starts with an overview of the origins and structures of federal science and technology policy in the U.S., and then will probe perennial and current issues that arise in the use of science in policy, and in the government of science.

Research Guide, MIT Media Lab September 2019 Present

Communicated research to prospective collaborators. Gave tours of the Media Lab and set up research demonstrations. Processed and organized Salesforce data. Analyzed member and research initiative engagement using Salesforce data. Assisted with event and meeting setup.

Research Assistant, BrainCo May 2017 May 2018, May 2019 August 2019

Researched EEG and its applications for education feedback, meditation feedback, and ADHD treatment. Conducted literature reviews on EEG and its relationship with meditation, student engagement, ADHD, and inter-subject synchronization. Helped write IRB proposals, grant proposals, and FDA approval applications. Also responsible for designing and running experiments and data collection studies using EEG, and working at the BrainCo booth at the 2018 Consumer Electronics Show.

Research Assistant, Cooperation Lab, Boston College June Aug 2018

Recruited subjects and acted as first experiment in studies on the development of fairness, honesty, and forgiveness with children ages 4-10. Acted as a second experimenter in a study on negotiation. Reviewed literature on development of virtues in children, wrote experiment scripts, updated study protocol, designed and created study stimuli. Paper coded and affectively video coded experiments. Organized data using Excel and analyzed pilot data.

Research Assistant, Tufts University Psychology Department December 2017 January 2018

Conducted a literature review for on nonmusical rhythmic processing and its effect on reading and literacy outcomes.

Research Assistant, Human Robotics Interaction Lab, Tufts University May 2016 May 2017

Researched object affordances. Conducted literature reviews, wrote IRB proposals, designed and wrote questions for Mechanical Turk Study, wrote MTurk pages using HTML, JavaScript, and PHP, and designed follow up studies.

PROJECTS

Eye contact and joint attention induced inter-subject EEG synchronization and prosociality

Independent project studying the effects of inter-subject EEG synchronization induced by eye contact and/or joint attention on participants' perceived likability of those they interact with in the study. Project responsibilities include designing study protocol and stimuli, writing study scripts, recruiting and scheduling participants, acting as main researcher for study trials, collecting and analyzing data, and preparing a poster presentation at the culmination of the study.

PRESENTATIONS

Liu, S. & Luzzi, E. (August, 2018). *Virtue Task Battery*. Presented at the Boston College Cooperation Lab, Language Learning Lab, and Infant Child Cognition Lab's joint lab meeting.

Luzzi, E. (March 2019) *Eye Contact and Social Dynamics Using EEG*. Presented to the Tufts University Cognitive and Brain Sciences Senior Seminar.

Luzzi, E. (May 2019) *The Relationship Between Neural Synchrony and Prosocial Feelings Towards Partner*. Presented at the Tufts University Cognitive and Brain Sciences poster session.

Luzzi, E. (May 2019) *The Humanity Behind Robotics*. Presented to the Mountain Lakes High School and Briarcliff Middle School Robotics Clubs.

ACTIVITIES

Tufts Wilderness Orientation Leader February 2017 May 2019

Completed training in Wilderness First Aid, CPR, and technical wilderness skills. Led two 5-day backpacking trips for 8 first years and met with them weekly throughout the year.

Tufts Enigma Independent Data Journal January 2017 May 2019

Researcher and Director of Communications for data journal that collects and analyzes data from Tufts or the greater Boston area. Presents data at a yearly symposium and attends data analysis workshops.

Tufts Public Harmony September 2017 May 2019

Performer for community service group that strives to serve the Greater Boston area by connecting Tufts musicians with community organizations through uplifting musical performances.

DJ, Tufts University WMFO 91.5 Freeform Radio September 2016 May 2019

Weekly DJ for Tufts University student radio show.

Interviewer for Tufts University Experimental College November 2015

Evaluated candidates based on teaching potential, course design, and competence