

MAYA DEBELLIS

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mayadebellis.github.io
github.com/mayadebellis

EDUCATION

TUFTS UNIVERSITY: *Medford, MA – May 2018*

B.S. in Computer Science, Environmental Studies with a science concentration.
3.6 GPA, Cum Laude

SCHOOL FOR INTERATIONAL TRAINING: *Jaipur, India, Jan – May 2017*

Coursework in sustainable development and social change. Conducted independent research on water scarcity projects in the Himalayas.

SKILLS

PROGRAMMING LANGUAGES: C++, C, Java, JavaScript, HTML, CSS, Python

FRAMEWORKS & LIBRARIES: D3, MongoDB, PostgreSQL, AngularJS, Node.js

SOFTWARE: ArcGIS, Git, Heroku

EXPERIENCE

NASA/Jet Propulsion Laboratory: *Science Applications and Data Interaction Engineer I, Starting Sept 2018*

UPSTREAM TECH: *Software Engineering Intern, Sept – Dec 2017*

Used machine learning on water data to predict water flow along a river. Contributed to web app development and noSQL database management.

MIT LINCOLN LABORATORY: *Summer Research Intern, June – Aug 2017*

Built a full stack PostgreSQL/Node/AngularJS web application and corresponding Java based multi-format document generators. Created interactive visualizations for network interaction using Python and Plotly. Helped design an anomaly detection software for system health monitoring.

JUMBOCODE: *Front-End Engineer, Sept – Dec 2016*

Designed and built a mobile app for Save the Children using AngularJS and the Ionic Framework. Responsible for user authentication, profile creation, and front-end logic.

HUMAN COMPUTER INTERACTION LAB: *Research Assistant, May – Nov 2016*

Conducted research project on the impact of tDCS on cognitive function and its potential for being used along with fNIRS to form a brain-computer interface.

TUFTS COMPUTER SCIENCE DEPT: *Teaching Assistant, Jan – Dec 2016*

Taught a 20+ student lab, held office hours, graded assignments, and explained fundamental concepts and basic object oriented programming in C++.

RESEARCH

Samuel W. Hincks, Maya DeBellis, Eun Youb Lee, Ronna ten Brink, Birger Moëll, Robert J. K. Jacob: **Towards Bidirectional Brain-computer Interfaces that Use fNIRS and tDCS.** *PhyCS* (2017): 57-64

Daniela Hedwig, Maya DeBellis, Peter Howard Wrege: **Not so far: attenuation of low-frequency vocalizations in a rainforest environment suggests limited acoustic mediation of social interaction in African forest elephants.** *Behavioral Ecology and Sociobiology* 72, no. 3 (2018): 33.

LEADERSHIP EXPERIENCE

TUFTS MOUNTAIN CLUB: *Vice-President, 2016*

TUFTS SUSTAINABILITY COLLECTIVE: *President, 2015*