

# Mark Freeman

mark.freeman@tufts.edu

310-892-7582

## EDUCATION

### **Tufts University - School of Engineering**, Medford MA

Majors: Mechanical Engineering; Computer Science

Degree Anticipated May 2019

#### Relevant Coursework

Data Structures, Web Programming, Statics and Dynamics, Mathematical Modeling, Physics (Mechanics and Electromagnetism), Calculus I, II, III

## EXPERIENCE

### **Tufts Women's Center**, Graphic Design Intern *(2016 - Present)*, Tufts University, Medford MA

- Design posters, flyers, logos, and other graphic work for the Tufts Women's Center and its events.

### Freelance Web Designer *(2016 - Present)*

- Design webpages with intuitive, responsive, and elegant design for media and portfolio use.

### Freelance Composer & Arranger *(2015 - Present)*

- Score a podcast, commissioned for personally catered compositions

### **Boeing Company**, Mechanical Analyst Intern *(2014)*, El Segundo, California

- Selected as one of six students. Trained by Boeing, and ran vibration analyses for satellite components (both by model and by experiment).

### **Windward School**, Physics Tutor *(2013 - 2014)*, Los Angeles CA

- Tutored high school students in physics (mechanics and electromagnetism)

### **Bikerowave**, Bike Mechanic *(2012 - 2014)*, Los Angeles CA

- Repaired bikes, mentored incoming volunteers, worked register

## SKILLS

### Programming & Scripting

- C++ (data structures, robotics)
- Python (physics modelling)
- HTML/CSS/JavaScript

### Software

- Patran (stress testing)
- Git
- Matlab (heuristics; mathematical modelling)
- Autodesk/Solidworks
- LaTeX
- Photoshop, Illustrator, InDesign

### Hardware & Machining

- Machining (dremel, bandsaw, CNC, drill press)
- Soldering
- 3D Printing/Laser Cutting
- Arduino

### Leadership

- Spoken Word Alliance at Tufts (treasurer, board member)
- Tufts Queer Students Association (executive board member)
- Trans Discussion Group (facilitator)