

## Mikayla J. Clark

(845) 275-8044 • [mikayla.clark@tufts.edu](mailto:mikayla.clark@tufts.edu) • <https://mikaylclark.github.io>

---

### Personal Career Objective

---

Young, talented innovator who is passionate and driven by cutting edge technology and user experience solutions. Seeking field experience in Software Engineering, Product Design, or UX design to compliment my outstanding educational journey at Tufts University Human Factors Engineering and Computer Science programs.

---

### Education

---

#### Tufts University

Medford, MA

Bachelor of Science in Human Factors Engineering and Computer Science

Expected May 2021

**GPA:** 3.21 **Dean's List:** Spring, Fall 2019

**Relevant Courses:** Data Structures, Web Programming, Machine Structure and Programming, OOP Graphical User Interfaces, Human Factor Product Design, Methods for Human Factors Engineering, Mechanical Design and Fabrication, Technical and Managerial Communication, Stats for Behavioral Sciences, Computer-Aided Design

---

### Technical Skills

---

**Programming Languages:** C++, C, Java, HTML, CSS, JavaScript, MongoDB, jQuery, Unity, MathWorks MATLAB

**UX and Fabrication:** Adobe Xd, User-Centered Product Design, Usability Testing, Task Analysis, Adobe Photoshop, Adobe Illustrator, Wireframing, Axure, Surveying, Statistical Analysis, Fabrication, 3D Printing, Laser Cutting, Circuits and Motors

**Other:** AutoDesk Inventor, AutoCAD, SolidWorks, AutoDesk 3ds Max, RStudio, Microsoft PowerPoint, Microsoft Excel

---

### Projects

---

**Berry App:** Conducted research using interviews, focus groups, questionnaires, and usability testing to work with Tufts CMHS and create an app that gives students easier access to mental health resources. Used Adobe Xd to develop our prototype.

**Ride-Hailing Service:** Created client and server-side programs that used a Google Maps API and dynamically displayed vehicles on the map at arbitrary geolocations.

**Gerp:** Used a hash table and linked lists to create a search program to query any word within my terminal directories, keeping in mind time and space complexity.

---

### Experience

---

#### Tufts Spatial Cognition Lab

Medford, MA

Research Assistant

Jan. 2020 – Present

- Conduct cognitive and perceptual research with human participants and analyze statistical data.

#### Tufts Reality of Virtual Environments Lab, Tufts University

Medford, MA

Research Assistant

Oct. 2019 – March 2020

- Develop a program using C# and Unity that can help industrial designers create new prototypes.

#### Tufts Advancement Office

Medford, MA

Parents Giving Program Intern

Jan. 2020 – Present

- Update and acquire Tufts parent and student information; help organize and update parent events and documents.

#### Telefund, Ruffalo Noel-Levitz

Medford, MA

Supervisor, Student Fundraiser

Nov. 2017 – Jan. 2020

- Supervised a staff of approximately 25 students who are employed to make fundraising calls to people associated with Tufts; evaluated employee behaviors, skills, and knowledge on a regular basis; and provided hands-on training.

---

### Activities

---

#### Women in Computer Science (WiCS), Tufts University

Medford, MA

Secretary

Dec. 2019 – Present

- Take minutes at e-board meetings, assign actionables for other board members, and send out weekly newsletters.

#### JumboCode, Tufts University

Medford, MA

Member of Ocean Alliance Team

Jan. 2020 – Present

- Lead the user interface team and volunteers time to make Ocean Alliance's vision come to life through design using HTML, CSS, JavaScript, Bootstrap and jQuery.

#### Women in Technology (WiT) Conference

Medford, MA

Marketing Committee Head

Mar. 2020 – Present

- Lead the marketing committee, whose task is to develop and design the website; maintain communication and updates with the public; and conduct high school and college outreach to increase attendee acquisition and retention.