Mikayla J. Clark

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Personal Career Objective

Young, talented innovator who is passionate and driven by cutting edge technology and user experience solutions. Seeking field experience to compliment my outstanding educational journey at Tufts University Human Factors Engineering and Computer Science programs. Ultimate goal of securing a position with a leading tech company and collaborate on improving user experience.

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:** Intro to Computer Science, Data Structures, Web Programming, Machine Structure and Programming, OOP Graphical User Interfaces, Engineering Psychology, 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: User-Centered Product Design, Usability Testing, Task Analysis, Adobe Photoshop, Adobe Illustrator, Wireframing, Axure, Ideation, Surveying, Statistical Analysis, Fabrication, 3D Printing, Laser Cutting, Circuits and Motors
CAD: AutoDesk Inventor, AutoCAD, SolidWorks, AutoDesk 3ds Max, RStudio, Microsoft PowerPoint, Microsoft Excel

Projects

User Research Project: Designed an interface carefully keeping in mind heuristics of user-centered design. Used task analysis, usability testing, and wireframing to create a game that was user-friendly and efficient for the user to interact with.
Latency Lock Project: Used personas, surveys, benchmarking, ideation, etc. to create an artifact that solved the issue of students forgetting keys in dorms and ultimately getting locked out.
Ride-Hailing Service Project: Created client and server-side programs that used a Google Maps API and dynamically displayed vehicles on the map at arbitrary geolocations.

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 – Present
- 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 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.
- Called alumni, parents and friends of Tufts University and personally raised over $73,000 for Tufts University.

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 to make Ocean Alliance's vision come to life through design using HTML, CSS, JavaScript, Bootstrap and jQuery.
- Volunteer time to help non-profits by providing free, custom technology to aid services.