COLBY CHO

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ABOUT

I am a junior at Tufts University studying Engineering Psychology and Computer Science, seeking Human Factors Engineering internships and research opportunities. I am particularly interested in UX/UI design and product design, especially as they relate to the world of healthcare. My goal is to impact people through mindful design.

EDUCATION

Tufts University, Medford, MA — Class of 2023
Bachelor of Science (BS), Engineering Psychology; Minor in Computer Science
GPA: 3.79

Relevant Coursework: Fundamentals of Human Factors Engineering, Human Factors in Medical Technology, Medical Technology Development, Engineering Design I, Industrial Design, Advanced Engineering Psychology, Design Foundation, Data Structures, Algorithms, Machine Structure and Assembly, Web Programming, Business Planning and Entrepreneurship, Technical and Managerial Communication, Behavioral Statistics, and Experimental Psychology
Activities: Member of Tufts Human Factors and Ergonomics Society, Member of Tufts Product Studio, and Tufts Men's Club Soccer Captain

SKILLS & ABILITIES

Programming: HTML5, CSS, Javascript, C++, C, Linux
Design: Adobe Photoshop, Illustrator, Indesign, Figma, Wireframing, SketchUp
Research: Personas, Task Analysis, Usability Testing, Questionnaire Design, Risk Analysis, Anthropometric Analysis, IBM SPSS, JASP
Miscellaneous: Basic Microsoft Office, Spanish (proficient)

KEY COURSE PROJECTS

ENP110: Usability Testing the CareTouch® Blood Glucose Monitoring System
The purpose of this formative usability test was to assess the safety and usability of the CareTouch® Blood Glucose Monitoring System. By putting participants through a variety of key use scenarios, I determined whether the glucose meter facilitated its intended uses and met the client's specified safety and usability standards.

Skills: Usability Testing

ME40: Modeling a Cordless Screwdriver for Someone with Parkinson's Disease
The purpose of this project was to practice inclusive design. Given a persona with early-stage Parkinson's Disease, my teammates and I were tasked with modeling (in CAD) a cordless screwdriver to fit this persona's needs.

Skills: Usability Research, Usability Testing, CAD Modeling

ENP64: GeoPuzzle, an Educational Children's Puzzle
The purpose of this final project was to develop a product for a toddler/young child from start to a high-fidelity model. Considering the child's educational and anthropometric needs, I developed an app and CAD model for an educational children's puzzle which I called the GeoPuzzle.

Skills: Usability Research, Usability Testing, CAD Modeling, UX/UI Design

EXPERIENCE

Incoming UX Design Intern — Jun 2022 to Aug 2022
athenahealth, Watertown, MA

- Utilize user experience skills to work with multi-disciplinary R&D program teams to define, design and test feature and functionality additions and improvements
- Create low- to high-fidelity sketches, wireframes, and prototypes to communicate design ideas
- Assist in planning and executing research experiments to learn fast and prove/disprove product design hypotheses conducting usefulness and usability testing

Product Development Intern — Jun 2021 to Sept 2021
Markit Social, Inc., Medford, MA

- Responsible for developing the UX/UI of the new Markit social media app
- Conducted user research and produced market insights for the marketing/product teams

UX Researcher — Jan 2021 to May 2021
Tufts University, Medford, MA

- Worked alongside Tufts University's TTS Design Team to improve the Tufts Student Life website (students.tufts.edu); where the goal was to promote a culture of diversity and inclusion through the website's content experience
- Conducted user research to inform the website design

ADDITIONAL

I enjoy drawing and playing soccer; and serve as a freelance graphic designer for friends and family