Catherine Kim

Product Designer | Software Engineer

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EDUCATION

UNIVERSITY OF MICHIGAN

ANN ARBOR, MI | 2020 -May 2024

BS Computer Science, Cognitive Science

SKILLS

Software	Design
Photoshop	Design Research
Illustrator	Design Strategy
Premiere	User Interface
Figma	Storytelling
Pivotal Tracker	Prototyping
Invision	Product Design
	Wireframing
	Usability Testing

TECHNICAL SKILLS

Languages	Web Technology
C	HTML
C++	CSS
Python	Vue.js
	Javascript

Technologies	Scripts/UI
Git	Bootstrap
Linux	

EXPERIENCE

Sept 2020
Present

MROVER PROJECT TEAM | ANN ARBOR

Teleoperations Team

- Organized a GUI using CSS, HTML, JavaScript, and Vue.js, that interacts with the Rover in real-time by sending and receiving messages through LCM channels.
- Created a generate report button that generates a CSV file containing spectral and thermistor data from LCM channels.

May 2021
Aug 2021

UNIVERSITY OF MICHIGAN | ANN ARBOR

Research Assistant With Dr. Lubomir Hadjiyski

- Radiology and lung cancer research, concentrating on using machine learning for detection of lung nodules in computed tomography.

Feb 2021
May 2021

REWRITING THE CODE | REMOTE

Marketing Intern

- Founded an RTC chapter at UM and coordinated meetings with other UM coding clubs and UM Professors.
- Increased RTC membership at the UM by 50%.
- Oversaw updating and developing a social media page utilizing Adobe Photoshop and Figma.

PROJECTS

Winter 2021

OFFICE HOURS SIMULATOR

C++

- Implemented a back-end office hours queue web server that can be run locally and interacted through a web browser.
- Built a small web server that can host a browser session that can post, get and delete responses.

Winter 2021

MACHINE LEARNING POST SORTING

C++

- Coded a machine learning program that automatically identifies the subject of posts from Piazza.
- Developed an algorithm using recursion techniques that can classify over 11,000 posts with 90% accuracy.