Yifei Chen

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Education

Carnegie Mellon University

Bachelor of Science
in Computer Science and Human-Computer Interaction

Aug 2019 — May 2023

Experience

Image Data Generator for Machine Learning

Sep 2022 — Mar 2023   Research Assistant

Implemented a website that generates fish images from selected attributes. It is a tool made for AI4K12 to generate image data to be fed to ML and to assist instructors illustrate the machine learning process. Designed website layout and visual elements. Drew the graphics for generation. Programmed the website using JavaScript and HTML/CSS.

Temporal Difference Learning Web Demo

May 2022 — Aug 2022   Research Assistant

Implemented a web demo visualizing temporal difference learning through the path-finding problem for AI4K12, an initiative for K-12 AI education.
Designed website layout and visual elements. Programmed the learning algorithm with stochastic actions and features such as maze upload, download, and edit.

ArtRio

Sep 2022 — Dec 2022   Project Manager, Designer

Designed a conceptual app that allows artists to virtually install their artworks at real-life locations and art lovers to view these pieces through AR.
Conducted user research with survey and contextual inquiry.
Prototyped the interfaces using Figma.

A | Sleep

May 2022 — Oct 2022   Storyteller, Designer

Designed a puzzle-solving game set in a non-Euclidean world, including the concepts, the gameplay, and the visual representations.

Shockworkers

May 2022 — Dec 2022   Storyteller, Designer

Designed the gameplay, the map, and the collectibles of the game.

Relevant Courses

Interaction Design Studio
Tools in UX Design
User-Centered Research and Evaluation
Human Factors
Designing Human-Centered Software
Introduction to Cognitive Psychology
Organizational Behavior

Skills

Tools

Figma
Processing
Rhino
Solidworks
Illustration

Techniques

Contextual Inquiry
Affinity Diagram
Storyboard
User Flow Analysis
Journey Map
Prototyping

Programming

JavaScript, HTML/CSS
C, C++
Python
Java

Languages

Chinese
Spanish