

ANNA XIAO

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EDUCATION

Northwestern University | Evanston, Illinois

Expected Graduation: June 2024

Bachelor Degree: Computer Science major | Data Science minor

Relevant Courses: Data Structures and Algorithms, Computer Systems, Introduction to Artificial Intelligence, Networking, Human Computer Interaction, Generative Methods, Data Management & Information Processing, Data Visualization

PROJECT EXPERIENCE

Heart Disease Data Science Project

January 2023 - March 2023

- Collaborated with team members to implement several machine learning algorithms (e.g. logistic regression) to classify patients as having or not having heart disease based on the selected health features
- Delivered an oral presentation to provide practical recommendations to stakeholders based on project findings

Generative Methods Portfolio

September 2022 - December 2022

- Developed engaging animations, interactive art, and data visualizations utilizing the Javascript P5 library
- Implemented Artificial Intelligence (AI) and Machine Learning (ML) techniques to design a chatbot and used hand tracking to train a program for a mini-game

Pacman Game

November 2021

- Programmed the Pacman game from scratch using C++ and the ge:211 graphics library
- Implemented game using abstraction & test-driven performance and enabled gameplay from user input

Spotify music recommendation application

November 2020

- Programmed a Spotify song recommendation application using Python with the functionality to email music recommendations to users
- Extracted data from the Spotify database using APIs to provide music recommendations for users based on selected artists and genres

LEADERSHIP & PROFESSIONAL EXPERIENCE

Northwestern University TIDAL & TIILT Lab | Evanston, Illinois

Computer Science Instructional Assistant

November 2022 - Present

- Volunteered as an instructional assistant for Evanston's District 65 classrooms (a pre-K through 8th-grade public school district serving more than 8,000 students from the City of Evanston)
- Supervised 20 fifth-grade students to accelerate their understanding of computer science concepts and their self-expression through Tunepad, an online platform for creating music with Python code

Northwestern University Dean of Students | Evanston, Illinois

Family Ambassador

April 2022 - Present

- Coordinated Parent and Family Orientation by providing family check-in, giving campus tours, guiding families to various events around campus, and helping with other initiatives that arise throughout the program
- Initiated orientation assistance for families on campus by answering questions and helping to meet their needs

Northwestern University Department of Computer Science | Evanston, Illinois

Teaching Assistant

March 2022 - Present

- Peer mentored for CS 110 (a 100+ student course focused on programming fundamentals in Python) and for CS 217 (an 80+ student SQL course centered on data management and information processing)
- Managed weekly lab sessions and office hours to help students better understand Python and SQL concepts
- Answered students' questions and assisted with grading assignments

SKILLS & ACTIVITIES

Technical Skills: Python, R, SQL, C, C++, Javascript, HTML, CSS, Racket, Microsoft Office

Language Skills: Proficient in Mandarin | Experience with Spanish

Organizations: Women in Computing, Chinese Student Association, Asian American Intersarsity, China Care