

EMILY ZHANG

Los Angeles, CA | (949) 282-7858 | emilyzhang2024.1@u.northwestern.edu | <https://emily-fangdi-zhang.github.io/>

EDUCATION

Northwestern University

Evanston, IL

Bachelor's and Master's Degree, Computer Science GPA: 3.85/4.00

Anticipated June 2024

- Business in Healthcare Club Treasurer and Co-President, WildHacks Director of Technology, NU World Cup Web-Development Team, North by NU Interactive Team, NU Tutors, N'CAT Tutor, NU CS Mentor, YW Tech Lab Volunteer

SKILLS

Coding Languages: Python, C, C++, JavaScript, TypeScript, HTML, CSS, SQL, JSON, Racket, STATA, MATLAB, DSS2, Java

Frameworks: Flask, Next.js, Maximizer CRM, JD Edwards ERP, Scrum

Technologies: Azure, Heroku, Git, GitHub, Anaconda, Docker, Postman, Arduino, Firebase, Cypress, AWS

Awards & Honors: Northwestern Dean's List, UCSD Provost's Honors, Cum Laude Inductee, UCLA MUN Outstanding Delegate

EXPERIENCE

Oil-Dri Corporation of America

Chicago, IL

Master Data Intern

Aug 2022 - Sep 2022

- Supported the maintenance of data management stored in the JDE ERP and facilitated general vendor setup activities in the Product Data Management portal as part of Oil-Dri's data transition from the AS400 system
- Ensured validation of vendor data, assisting the Sr. Director of Demand & Data Management
- Provided support for supply chain projects by extracting, adding and changing requested data

Raymond James Financial

Newport Beach, CA

Horgan Group Intern

Apr 2022 - July 2022

- Used the RJF secure based lending software to conduct potential loan analysis and risk assessment for individuals and companies with the firm to help clients with SRL application
- Established and maintained client relationships through opening new accounts with RJF client onboarding and maintenance software, Maximizer CRM, client center and service center
- Conducted research on market performance through RJNet and MarketEdge software
- Developed portfolio performance, analysis, and client reporting reports with RJF wealth management center

University of California San Diego

La Jolla, CA

Student Researcher

Oct 2020 - Jun 2021

- Researched topics including the economic rationales and consequences of the Sino-US trade war and the political-economy of a changing international order in the presence of Sino-US conflicts
- Developed comprehensive knowledge of STATA in performing data analysis, data visualization and linear regression on WTO dispute data
- Worked intensively to present said research at the annual Undergraduate Research Conference

PERSONAL PROJECTS

WildHacks Website (<https://www.wildhacks.net/>)

- Designed and developed a front-end client for Northwestern's annual WildHacks competition with React
- Created a Next.js app for the dashboard and built the editor and projects display pages with Material UI

Photo-App

- Developed a full stack web application – built a database, implemented user authorization, designed and built a front-end client – modeled after Instagram and deployed on Heroku
- Obtained proficiency with GitHub, Heroku, Web Sockets, HTML, CSS, JavaScript, Flask, React, REST API, testing frameworks and UX/UI design principles

PacMan Level 1

- Utilized C++ and GE211, a game engine specifically designed for the Northwestern CS 211 class, to recreate the PacMan Level 1 arcade version with the exact display ratio and proportions
- Incorporated customized queries allowing ghosts to move with different characteristics/personalities

LendNU (<https://lendnu-b5721.web.app/>)

- Developed a React app with a Firebase backend, designed solely for Northwestern students looking to borrow items
- Conducted user tests with prepared test materials and E2E tests with Cypress and Firebase emulators
- Honed skills in agile software development with a focus on processes for cross-functional teams and project planning

Spotify Music Suggestion

- Used the given Spotify API to create a music recommendation system that takes multiple user inputs and allows users to send generated HTML files outlining music suggestions to a specified email