EMILY ZHANG

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EDUCATION

Northwestern University   **Evanston, IL**
Bachelor's Degree, Computer Science, Data Science GPA: 3.78/4.00   *Sep 2021 – Anticipated Jun 2024*
- *Northwestern Business in Healthcare Club Treasurer and Vice President of Careers, NU Tutors, YW Tech Lab Volunteer*

University of California San Diego   **La Jolla, CA**
Candidate for Bachelor of Science, Mathematics, Economics GPA: 3.70/4.00   *Jun 2020 - Jun 2021*
- *International Student Council, Office for Students with Disabilities Note Taker, Globally Engaged Tritons, Chinese Union Project Management Director, Alpha Epsilon Phi Rituals Chair and Abroad Alumni Relationship Chair, Triton Tutors Volunteer Lead*

SKILLS

Coding Languages: Python, C, C++, JavaScript, HTML, CSS, SQL, JSON, Racket, STATA, MATLAB, LaTeXiT

Frameworks: Flask, React, Maximizer CRM, JD Edwards ERP

Technologies: Heroku, Git, GitHub, Docker, Postman

Awards & Honors: Northwestern Dean's List, UCSD Provost's Honors, Cum Laude Society 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

Photo-App / React-App (https://photo-app-hw05-emilyzhang.herokuapp.com/ | username: webdev | password: password)
- Developed a full stack web application – built a web server, 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

Trip Planner
- Used previously created graph and dictionary ADTs to establish destinations and their relative connections
- Created an efficient $O(n \log n)$ shortest path algorithm that returns the shortest path to any destination

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