

Colin Zhou

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EDUCATION

University of Illinois Urbana-Champaign 08/2022 - 12/2023

Masters in Computer Science (MCS)

- **Relevant Coursework:** Databases, User-Interface Design, Distributed Systems, Artificial Intelligence

Bellevue College 09/2019 - 06/2022

Bachelors of Science in Computer Science

- **Relevant Coursework:** Operating Systems, Web Programming, Data Structures, Algorithms, Computer Networks, Programming Languages, Software Engineering,

WORK EXPERIENCE

EcoLogical • Web Developer 08/2023 - 12/2023

- Implemented the front end of a five page dashboard using React and Ant Design for a web app to help small businesses track their carbon footprint. Used 15 GraphQL queries generated on AWS to dynamically customize the dashboard for premium and basic plan users.

IOIntelligence • Software Engineer Intern 07/2022 - 09/2022

- Constructed an eight page dashboard using React and Chakra UI to display mobile network data that was stored in Prometheus.io. Implemented a Node.js server using Express that queried a MySQL database containing user data, to be shown on the dashboard.

Molloy Moreno LLC • Front End Engineer Intern 06/2021 - 09/2021

- Developed and shipped Project Elpis in three months, a serverless web app that helps at-risk high school students track their career progress. Currently in beta use at an NYC high school with over 100 students.
- Built and iterated over 15 wireframes for the user interface using Adobe XD.
- Utilized React and HTML/CSS along with GraphQL queries from Amazon backend to create features allowing teachers to add new students, download student progress forms, and create / assign learning pathways.

LEADERSHIP EXPERIENCE & PROJECTS

Bellevue College CS Student Advisory Board • Treasurer 08/2021 - 06/2022

- Filled out 3 funding request forms to obtain funding and handled communications between school and department. Planned out budget (over \$1000), for usage by the CS department for the 2023 school year.

StreetFoodLove • Street food vendor website (Front End Web Developer) 08/2021 - 06/2022

- Designed the user interface for 10 components using Adobe XD, handpicked 6 front end technologies to use.
- Used React and TypeScript to create sections of the front end, including the vendor page, settings, landing page and login / signup functionality. Queried AWS ElasticSearch for displaying 100+ vendor locations upon user search input; assisted 3 group members with creating 4 front-end data charts using Recharts library.

Wordament / Wordle • Online word game (Sole Web Developer) 03/2022 - 06/2022

- Published a personal version of my favorite word games using React, Webpack, and TypeScript for the frontend. Developed a RESTful API using Node.js and MySQL database to authenticate users and to store user's performance. Implemented a continuous integration pipeline with 4 steps, using Github Actions and deployed on Netlify.

React Backend-Benchmarks • Benchmark Web App (Sole Web Developer) 11/2022 - 12/2022

- Developed a web application consisting of a React frontend, connected to three different backends (built with JavaScript, Python and Go) that are connected to a MySQL database. The application allows users to run CRUD queries any number of times as desired to see which backend returns data the fastest. Implemented a continuous integration pipeline with 3 steps using Github Actions.

SKILLS

Technologies: React | HTML/CSS | JavaScript(ES6) | TypeScript | SQL | Python | Node.js | REST API | AWS

Tools: Googling | VSCode | Jira | Wireframes | Github | Scrum | Agile | Speaking | CI/CD | Prototyping | Testing