Joseph Seo

563-419-9395 | Joseph79seo@gmail.com | https://github.com/jseo79

Education

The University of Iowa   Dec. 2023
Computer Science Bachelor of Arts; GPA**:** 3.53   *Iowa City, IA*

Oslo Metropolitan University   Dec. 2023
Accessibility and Digital Communication Program | Study Abroad   *Oslo, Norway*

Skills

- **Languages:** JavaScript, Java, Python
- **Libraries and Frameworks:** React.js, TypeScript, Node.js, Spring, JUnit, Pandas
- **Tools:** VS Code, SQL, MySQL, Docker, DBeaver, Postman, Jira

Experience

Pella Corporation | *Python, SQL, Oracle, Power BI*   May 2023 – Aug. 2023
IT Intern   *Pella, IA*

- Implemented a test requirement plan aimed at resolving tax issues associated with standardized zip codes, resulting in an accuracy enhancement exceeding **30%**
- Developed and executed several scripts to modify and validate existing data within company's CRM system to sync with corresponding data in their accounting database
- Developed an interactive Power BI dashboard to monitor and visualize key financial metrics including transactional and ledger data, reporting up to **50** faulty transactions a day

Projects

Map My Workout | *TypeScript, Node.js, React, Docker*   Aug. 2024

- TypeScript React application that allows users to log workouts on an interactive map using the Leaflet API
- Implemented the backend with Node.js and utilized MySQL to store user and workout data, performing full CRUD operations
- Constructed schemas and tables with Knex.js to ensure a consistent API and streamline query building across different database systems

Ad Tracker | *JavaScript, Node.js, Selenium*   Dec. 2022

- Node.js web crawler that utilizes Selenium Automation to measure cookies and scripts that a particular website interacts with
- Tested the quality of Adblock Plus on several websites and identified a 17% average decrease in cookies, many of which were third-party

Twitter Tweet Mapping | *Python*   Dec. 2021

- Utilized Google and Twitter APIs to query tweets based on location and specific search terms with Python
- Created application using Tkinter interface to produce a static map, markers, and an overall high-functioning GUI

Leadership

Co-founder, Men of Color & Masculinities Group   Dec. 2021- May 2023

- Co-founded this organization through a semester-long approval process and managed/allocated a **$3000** annual budget
- Hosted educational events and programming related to cultural identity for **120+** unique participants over the course of my terms
- Co-organized and collaborated with various campus partners including the University Counseling Services, Afro-American Cultural Center, Women's Resource and Action Center, and various local businesses

Student Lead, Asian Pacific American Cultural Center   Aug. 2022 – May 2023

- Guided **5** student-staff Center Programming Assistants in their roles as facilitators/educators
- Co-organized events and projects for **400+** unique students/community members with various campus and city-wide organizations including UI libraries, Monsoon Asians & Pacific Islanders in Solidarity, and the Center for Inclusive Academic Excellence

Vice President, Pi Alpha Phi Fraternity   Dec. 2021 - Dec 2022

- Co-led chapter meetings and communicated external operations with the Multicultural Greek Council
- Played a large role in organizing our chapter's 10 year anniversary which included allocating and fundraising **$4500**, organizing and facilitating sub-committees, and communicating with alumni and other universities