

# Joseph Seo

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## Education

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### The University of Iowa

Computer Science Bachelor of Arts; GPA: 3.53

Aug. 2020 - Dec. 2023

*Iowa City, IA*

### Oslo Metropolitan University

Accessibility and Digital Communication Program | Study Abroad

Aug. 2023 - Dec. 2023

*Oslo, Norway*

## Skills

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- **Languages:** Python, Java, C, JavaScript, TypeScript, HTML, CSS, SQL
- **Developer Tools:** VS Code, Eclipse, Git, Microsoft Teams, Docker, DBEaver, Postman, UML, Jira

## Experience

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### Pella Corporation

*IT Intern*

May 2023 – Aug. 2023

*Pella, IA*

- Developed and executed several Python and SQL scripts to modify and validate existing data within company's CRM system to sync with corresponding data in their accounting database
- Implemented a test requirement plan aimed at resolving tax issues associated with standardized zip codes, resulting in an accuracy enhancement exceeding 30%
- Developed a comprehensive and interactive Power BI dashboard to closely monitor and visualize data metrics relevant to the Finance Systems team

## Projects

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### Map My Workout

Apr. 2024

- TypeScript React application that allows users to log running and biking workouts on an interactive map utilizing the Leaflet API
- Developed with Express.js and utilized MySQL to store user and workout data
- Constructed schemas and tables with Knex.js to ensure a consistent API across potential database systems and query building convenience

### Ad Tracker

Dec. 2022

- Node.js web crawler that utilizes Selenium Automation to measure cookies and scripts that any 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

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

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### 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 over 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 over 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 schools