

Daniel Hsiao

Proficient in Object Oriented Programming and am looking for a Software Engineer Internship

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EDUCATION

University of Wisconsin-Madison

September 2022 - May 2025

B.S. in Computer Science and Data Science

Madison, WI

Relevant Coursework: Algorithms, Linear Algebra, Differential Equations, Calculus 3, Data Structures, Statistical Methods, Machine Organization

SKILLS

Languages: Python, C, Java, SQL, JavaScript, HTML/CSS, Kotlin, R, Bash, Assembly

Frameworks/Libraries: React, NodeJS, ExpressJS, Flask, JUnit, SQLAlchemy

Developer Tools: Git, MySQL

Interests: Basketball, Piano, Soccer, Weight-lifting

Professional Experience

CodeForGood

January 2024 - Present

President/Founder

Madison, WI

- Established and led a volunteer-based club focused on providing computer science assistance to businesses and non-profit organizations in Madison.
- Developed and implemented a variety of technical solutions for external partners, including website development and database management.
- Recruited and mentored 20+ club members, creating an inclusive community and facilitating skill development among peers.

University of Wisconsin - Department of Civil Engineering

September 2023 - Present

Research Assistant

Madison, WI

- Worked under Dr. Awad Hanna, the Head of Construction Engineering Department, and provided more than 100 construction firms with research to effectively bid on construction projects, maximizing profit and utilization.
- Refactored code from **R** to **Python** to enhance **mySQL** database efficiency, resulting in an increase in data processing speed.
- Developing a user-friendly website, implementing **mySQL** database and utilizing **React JS**, **Node JS**, and **Express JS** to provide construction companies with sufficient research to support \$1+ million projects

FoundUp

June 2023 - October 2023

Software Engineer

Chicago, IL

- Developed a client-facing company portfolio website, enhancing the company's online presence by over 30%
- Engaged in a 120 hour training program, acquiring proficiency in **REST API**, User Authentication, **React JS**, **Python**, and **Flask**
- Conducted user testing and research to emphasize the company's "theory of hire" philosophy

Additional Experience

Guess The Pokemon

<https://github.com/danhsiao/Guess-The-Pokemon>

- Developed a guessing game using **HTML**, **TailwindCSS**, **JavaScript**, and **PokeAPI** implementing a blurred image and clues from the API for users to use
- Engaged 40+ users, receiving positive feedback on gameplay and user interface design

Social Media Website

<https://github.com/danhsiao/Social-Media-Website>

- Built a full-stack social media platform using **Python**, **Flask**, and **SQLAlchemy**, including features like user authentication and content management.