

Summary

Seattle U. Masters student, Computer Science, 2022. Undergraduate degree in Civil Engineering, experience in project management and leadership, experience at a high-growth construction startup.

Education

Master of Computer Science, Seattle University Anticipated Start - Apr. 2022

Computer Science Fundamentals Certificate, Seattle University Jan. 2021 – Mar. 2022

Accolades: Grace Hopper Celebration of Women in Computing Scholar

Relevant Coursework: Data Structures and Algorithms, Database Design, Object Oriented Design.

Self-Study Jul. 2020 – Dec. 2020

MOOC.fi Object-Oriented Programming with Java

Bachelor of Science, Civil Engineering, Seattle University Sept. 2012 – Jun. 2017

Skills

Object-Oriented Languages: Java, C++, Python

Project Management: Teams, Jira, Trello

Technologies: MySQL, SQLite, Django, BASH, Git/GitHub

Database: Relational databases, SQL

Programming Experience

Positive Feedback App for Teams, Kudos Korner

- Starting with a broadly defined problem statement, collaborated with globally positioned team to build a web application that empowers users to send anonymous words of encouragement or gratitude (kudos) to team members.
- Quickly learned how to deploy a Django project and wrote code responsible for handling user account access, kudos, and user ranking functionality.
- Demonstrated excellent time management skills as project manager of a randomly assigned team of 5 members in 3 global time zones that successfully engineered a prototype in 48 hours.
- Utilized: Python, Django, Visual Studio Code Liveshare, Git/GitHub.

CDC Vaccination Passport Database and App Concept, VaxVax

- Engineered a MySQL relational database, queries, and stored procedures while keeping government and public health agency data retrieval (via JDBC application) at the forefront of the design.
- Utilized: Java, SQL/MySQL, JDBC, Git/GitHub.

Emergency Room Triage Console App

- Developed an emergency room visitor prioritization app that triaged a visitor based on reported severity of injuries; researched most efficient data structure for improved time complexity and implemented in design. Utilized: C++.

Technical Experience

Preconstruction Engineer STS Construction Services Apr. 2021 – Present

- Practice a customer-centric mindset with our clients by using innovative ideas (eg. material change for impressive cost savings) to build their projects under budget.
- Handles ambiguous technical challenges and develops new solutions at a growing startup construction company. Within first month, deployed first project 3 months ahead of schedule.
- Leverage engineering, project management, and communication skills to continue to pull project start dates back earlier than they have historically occurred at the company.

Construction Engineer Skanska USA Building Mar. 2018 – Apr. 2021

- Well-versed technical expert for complex building system (mechanical, electrical, laboratory) coordination and construction for 5 – 100 M contracts. Completed all laboratories on-time.

Engagement

- **SHOWCODE Level-Up Hackathon**, June 2021, Kudos Korner
- **Professional Mentor**, STEM Paths Innovation Network, 2020 - Present: Volunteer mentor for high school-age women of color interested in STEM.