

PROFILE

Civil Engineering student with practical experience in transportation and hydraulic design through academic projects and professional internship work. Demonstrates leadership abilities through ASCE chapter management and strong technical skills in CAD and modeling software.

EDUCATION

University of Portland, Portland, OR
Bachelor of Science Civil Engineering

- Howard Vollum Scholarship

May 2025

RELATED EXPERIENCE

Intern, Jacobs, Portland, OR

Seasonally June 2024 – Present

- Retained as Part-Time Intern during academic year following successful summer internship.
- Gathered and analyzed traffic volume, speed, and crash data to support intersection redesign projects.
- Conducted traffic analysis using VISSIM, recommending signal timing adjustments that improved peak-hour traffic flow efficiency by 15%.
- Created and presented detailed technical reports and visualizations for clients, streamlining the presentation of traffic impact studies for urban development projects.

Co-President, ASCE, University of Portland Chapter

Fall 2022 - Present

- Elected Co-President following successful roles as Vice President and Member.
- Collaborated with faculty advisor and executive board to plan student activities and social events including guest speaker events featuring local engineering professionals.

ACADEMIC EXPERIENCE

Senior Capstone, Multnomah County Drainage District – Flow Structure Relocation and Design Fall 2024 – Spring 2025

- Led design team for relocating critical drainage infrastructure for Multnomah County including site investigations and existing conditions assessment.
- Used AutoCAD Civil 3D for design drawings and site layout.
- Conducted hydraulic calculations for flow capacity and pressure requirements in collaboration with county engineers for design reviews.
- Delivered complete design package including plans, specifications, and cost estimates to supervisor and class.

Traffic Engineering, Enhancing Urban Mobility

Spring 2024

- Analyzed urban traffic patterns and used VISSIM software for traffic simulation and signal timing optimization.
- Analyzed crash data and safety patterns using statistical methods.
- Produced comprehensive traffic analysis reports with specific recommendations for signal timing improvements.

Hydraulic Engineering

Fall 2023

- Successfully designed and modeled complex pipe networks under various conditions.
- Developed proficiency in hydraulic design software and calculation methods.
- Created technical reports linking theoretical concepts to practical applications.

SKILLS

Programs: AutoCAD, ArcGIS, HEC-HMS, R

Certifications: Autodesk certified user: AutoCAD (2020)

ADDITIONAL EXPERIENCE

Student Member, Active Minds, University of Portland

September 2023 – Present

Intramural Athlete, University of Portland

August 2021 – Present