

# Peter Yu

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## Summary of Qualifications

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- Emphasis on traffic/transportation engineering: traffic operations and simulation, active transportation, traffic signals, ITS, signing and striping, and traffic impact analyses
- Skills: AutoCAD, Bluebeam, Excel, SketchUp, VISSIM, Vistro, Synchro, SimTraffic, HCS, SIDRA Intersection
- Strong problem-solving, communication, and interpersonal skills as shown through projects and positions

## Education

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**University of Washington**, Seattle, WA Expected Dec 2025  
MS, Civil (Transportation) Engineering

**University of Washington**, Seattle, WA June 2024  
BS, Civil Engineering

*Relevant coursework:* Traffic Engineering Fundamentals, Traffic Systems Operations, Transportation Capstone Project

## Relevant Experience

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**Summer Transportation Intern**, Federal Highway Administration, McLean, VA June 2023–Aug 2023

- Conducted a detailed literature review of bicycle and pedestrian facilities in the United States and abroad
- Created and delivered 3 presentations on best practices at protected intersections to 50+ person audiences

**Transportation Engineering Intern**, DKS Associates, Seattle, WA June 2022–June 2023

- Forecasted traffic demands, conducted signal warrant analyses, and used Synchro and SIDRA Intersection
- Demonstrated teamwork and communication skills by responding to WSDOT comments; work helped deliver the project ahead of schedule and significantly under budget
- Created two large Synchro models for a streetcar audit project and a citywide traffic analysis project
- Conducted a Best Practice Review for the City of Bellevue's Pedestrian Signal Operations Guidelines project. Reviewed policies from 16 national resources, including the MUTCD and NCHRP Research Report 969. Work led to the first edition of the city's final guidelines.

**Transportation Engineering Intern**, Kittelson & Associates, Inc., Orlando, FL June 2021–Sept 2021

- Created and calibrated VISSIM models for six alternatives across two freeway and arterial projects
- Used HCS, VISSIM, and Synchro to conduct operational analyses of freeways and intersections

## Awards and Activities

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<b>First Place Team</b> , ITE Western District Traffic Bowl	2024, 2025
<b>PacTrans Graduate Fellowship</b>	2024
<b>Husky 100</b> , University of Washington	2024
<b>ASCE Collegiate New Face of Civil Engineering</b>	2023
<b>Best Graduate Student Poster</b> , TRB Performance Effects of Geometric Design Committee	2022

**Member**, Conference Planning Committee, 2020, 2022, 2023, 2024 PacTrans Student Conferences

**President**, ITE UW Student Chapter 2022–2023

**ASCE National Student Ambassador** 2022–2024

**President**, ASCE UW Student Chapter 2022–2024

**Member**, UW CEE Undergraduate Student Advisory Board 2022–2024

**Representative**, UW Engineering Student Council 2023–2024

**Reviewer**, *ITE Journal* 2022–Present

**Reviewer**, *Transportation Research Record* 2021–Present

**Reviewer**, 6<sup>th</sup> International Symposium for Highway Geometric Design 2021–2022