

OLLIE WIESNER, EIT, RSP1

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EDUCATION

THE UNIVERSITY OF PITTSBURGH; Pittsburgh, PA | BS: Dec 2019 3.2 GPA
Civil Engineering • Transportation Concentration • Sustainability Certificate

THE UNIVERSITY OF WASHINGTON; Seattle, WA | MS: June 2023; PhD: Expected June 2026 3.6 GPA
Transportation Engineering • PacTrans Grad. Fellow • STAR Lab • GPSS Transportation Representative

RELEVANT SCHOOLWORK

- *Transportation*: Planning for People & Freight | Public Transit | Transportation Energy and Sustainability
- *Data*: Data Collection | Inferential Data Analysis | Data Management & Visualization (TA WI23 / Instructor WI24/WI25) | ML for CE | GIS (TA A23/A24) | GeoSurveying (TA A23/A24) | Climate Change
- *Innovative Thinking*: Drone-Based Hydrology | Sustainability Capstone | Applied Geospatial Analysis (IPM/URBDP)

WORK EXPERIENCE

NW TRIBAL TECHNICAL ASSISTANCE PROGRAM | Seattle, WA | *Support Staff* Jan 2023 – Jan 2025

- Developed Annual Work Plan that outlines the direction of the center and the detailed steps that need to be completed as it relates to training, technical assistance, and technology transfer needs.
- Created communication platforms including mailing list, website, LinkedIn page, and contact database.
- Developed marketing materials to advertise the center.

SEATTLE DOT | Seattle, WA | *MICMA ITS and Data Intern* Sept 2022 – Sept 2024

- Conducted a detailed evaluation of bicyclist presence detection via video analytics at signalized intersections.
- Performed miscellaneous tasks at SDOT related to ITS, traffic data collection, and traffic analysis.

PACTRANS & WSDOT H.S. SUMMER TRANSPORTATION CAMP | Seattle, WA | *Counselor* Aug 2023 & 2024

- Counsellor and organizer for the PacTrans and Washington DOT high school transportation summer camp at UW.

OFFICE OF SUSTAINABILITY & ENVIRONMENT | Seattle, WA | *Climate Data Intern* May – Sept 2022

- Updated the City's 2020 Greenhouse Gas Inventory report and associated Climate Data Dashboards to estimate GHG emissions for climate target tracking, which involved analyzing consumption and demographic data across Seattle.

UW ENGINEERING SERVICES | Seattle, WA | *Civil Intern* Jan – June 2022

- Identified best practices for streamlining asset conversion from CAD to GIS given non-standard CAD layer standards.

KIMLEY-HORN & ASSOCIATES | Reno, NV | *Civil Analyst* Sept 2020 – Dec 2021

- Managed vehicular crash databases and online dashboards for statewide datasets (Person, Party, Crash tables) as a part of California (10-year, SWITRS, KSI) and Nevada (5-year, FARS, Fatal) Strategic Highway Safety Plans (SHSPs).
- Analyzed crash data and roadway networks systematically for Local Road Safety Plans (LRSPs) at state and county level.
- Collected field data using MioVision cameras and analyzed traffic data for private sector TIAs
- Conducted research for a FHWA wrong way driving study for red RRFs effectiveness for the MUTCD.

DEPT. OF MOBILITY & INFRASTRUCTURE | Pittsburgh, PA | *Engr. Intern* Sept 2018 – July 2020

- Prioritized traffic signal replacement for all the cities signalized intersections by analyzing public GIS crash data.
- Assisted radar detection program for collecting traffic data for bicycle route planning and traffic calming applications.

AECOM | Pittsburgh, PA | *Traffic Engineering Intern* May – Aug 2019

- Aided in the modeling, designing, and submitting of a proposed Bus Rapid Transit (BRT) network in Pittsburgh.

SKILLS

- Advanced: ArcGIS Pro | ModelBuilder | AutoCAD | SQL | Tableau | PowerBi | R | Excel | Python
- Intermediate: Synchro | Vissim | SfM | Adobe Premiere Pro, Photoshop, Illustrator

ACTIVITIES

- TRB AME30 – Friend and Volunteer
- ITS WA, APWA
- UW ITE – Student Officer
- Past: Engineers for a Sustainable World-Philanthropy
- Washington Yacht Club
- NLTAPA Safety Work Group