

LOUIS SUNGWOO CHO E.I.T

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EDUCATION

University of Illinois at Urbana–Champaign (UIUC)	Aug 2020 – May 2025
M.S. Civil Engineering (Transportation)	GPA: 3.46/4.00
B.S. (Honors) in Civil Engineering (Transportation), Minor in Computer Science	GPA: 3.55/4.00

LICENSES & CERTIFICATIONS

Engineer in Training (E.I.T), Civil Engineering	Oct 2025
Issued by National Council of Examiners for Engineering and Surveying (NCEES)	

EXPERIENCE

Traffic Engineering Consultant	Dec 2025 – Present
<i>Chicago Department of Transportation</i>	<i>Chicago, IL</i>
<ul style="list-style-type: none">Performing traffic signal analysis on major corridorsContributing to transit signal priority projects.	
Graduate Research Assistant	Jul 2024 – May 2025
<i>Smart City Laboratory, UIUC</i>	<i>Urbana, IL</i>
<ul style="list-style-type: none">Applied traffic flow modeling and stability analysis in mixed human–autonomous environments to demonstrate that autonomous vehicles reduce stop-and-go shockwaves.Deployed ROS-based planning/control on a physical self-driving vehicle at the Illinois Center for Transportation; validated trajectory tracking under real-world dynamics.Analyzed Phoenix Robotaxi dataset; identified differences in lane-changing and car-following between human and autonomous drivers.	

LEADERSHIP & SERVICE

Institute of Transportation Engineers (ITE@UIUC)	Aug 2022 – May 2025
<i>President, Graduate Student Rep, Council Representative</i>	<i>Urbana, IL</i>
<ul style="list-style-type: none">Led chapter growth, increasing event participation by 60%; organized industry panels on ITS and CAVs; directed a transit ridership analytics project (Top 3 Award out of 200+ at UIUC EOH); volunteered for engineering council; and contributed to case study on High-Speed Rail (Chicago–St. Louis).	

AWARDS

Charles E. DeLeuw Scholarship – Urban Transit Systems Travel Abroad	Mar 2025
UIUC Engineering Open House – Outstanding Exhibit, <i>3rd Place</i>	Apr 2024
Grant W. Shaw Scholarship – Leadership in Traffic Engineering	Mar 2023

SKILLS

Programming: Python, Java, C++, HTML/CSS/JavaScript, ReactJS
Transportation/Simulation: ROS, CARLA, Gazebo, HCS
Tools: Git, Cloud, Docker, LaTeX, Bentley OpenRoads, AutoCAD, Revit
Languages: English, Korean