

2022 COTA Board of Directors Student Position Candidate



Shuyi Yin

PhD Student
Department of Civil and Environmental
Engineering
University of Washington, Seattle
(650) 561-5205
syin1@uw.edu

Qualification/ Background

Shuyi Yin is currently a PhD student in the Civil and Environmental Engineering Department at the University of Washington (UW). He holds a Bachelor of Engineering degree in Environmental Engineering from Tsinghua University (2016), and two Master of Science degrees from Stanford University, in Civil and Environmental Engineering (2019) and in Statistics (2019), respectively. Shuyi now works as a research assistant in the Smart Transportation Applications and Research Lab (STAR Lab) at the UW, where he has worked on various projects, including an NCHRP project that updates capacity estimation methodologies in Highway Capacity Manual, and an FTA project that looks at how pedestrian detection and avoidance technologies reduce counts, casualties, and related liability costs of transit-related collisions. Shuyi is the author of one conference proceeding, and first author of one paper accepted for presentation at TRB annual conference. He has won several awards since his PhD studies, e.g., best paper award from 2021 IEEE International Smart Cities Conference, and Mobility Track Winner (representing the STAR Lab team) in the MetroLab Network Student Cup.

Shuyi also assumes multiple leadership roles in social and academic services. At the UW, his roles include TA and predoctoral instructors for two Transportation Engineering courses, UW CEE Graduate Student Advisory Board (GASB) member on the Undergraduate Education Committee, the president of UW ITE Student Chapter, the lab manager of the STAR Lab, reviewers of several academic journals, and student members for IEEE and ASCE. In addition, in his spare time, Shuyi also volunteers in a free online course organized by Stanford University, where he taught students coding in Python during the COVID-19 lockdown.

Envisioned Commitment

Since my membership two years ago, COTA has significantly enriched my academic life and helped my career planning: its research lightning talks introduced state-of-the-art research topics from my peers; its webinars discuss professional services and career paths; its E-news publishes new opportunities at journals and institutions. Benefiting from its services, I am highly motivated to contribute to COTA's growth and to serve the community in return. My goal to accomplish as the chair of student affairs is to build students' participation even stronger and connections even tighter. More specifically, if elected as the chair of student affairs, I am committed to

- Encouraging peer exchange in COTA student members, by promoting COTA-sponsored student programs and activities;
- Strengthening connections between COTA student members and professionals/faculties;
- Growing the body of student members, especially in transportation programs where Chinese faculties are rare;
- Collecting and sharing opportunities at COTA newsletters and E-news; and
- Helping organize COTA events, including conferences and webinars.

If elected, I will work closely with fellow members for COTA's future success. Please don't hesitate to contact me if there is any question for my application. Your support is highly appreciated.

Endorsement

Dr. Yafeng Yin (COTA Member), Professor, University of Michigan

Dr. Shanjiang Zhu (COTA BOD Member), Associate Professor, George Mason University

Dr. Yu Zhang (COTA Member), Professor, University of South Florida

Dr. Yinhai Wang (COTA Member), Professor, University of Washington