



NATTAKARN (PEACH) SURANGSRIROUT

Ph.D. Candidate and Graduate Research Assistant
Civil Engineering | Transportation

CONTACT

 nat.sura@outlook.com
 Miami, FL
 linkedin.com/in/nat-surangs

SKILLS

Programming

Python MATLAB RStudio

Traffic Analysis Tools

VISSIM Synchro HCS CORSIM

QGIS CUBE

Data Sources & APIs

Google API FDOT DIVAS API FARS

Signal4 Analytics SunGuide HERE

RITIS INRIX High-Res Signal Data

AFFILIATIONS

WTS FIU Student Chapter

- Secretary (2023 – 2024)
- RSO Representative (2022 – 2023)

ITE FIU Student Chapter

- Active Member (2022 - Present)

EDUCATION

2022 – Present (Expected: August 2026)

Florida International University (FIU)

Ph.D. in Civil Engineering | Transportation

2020 – 2022

Chulalongkorn University (Chula), Thailand

M.Eng. in Civil Engineering | Transportation

2016 – 2020

Chulalongkorn University (Chula), Thailand

B.Eng. in Civil Engineering, Second Class Honors

EXPERIENCE

2022 – Present

Graduate Research Assistant | FIU

- Arterial Delay Prediction (FDOT Project)
- Bus Rapid Transit Signal Preemption Simulation (FDOT Project)
- WiFi-Based Transit Occupancy Estimation (FDOT Project)

2021 – 2022

Research Assistant | Transportation Institute at Chula

- Urban Mobility Shifts During COVID-19: E-Bus Adoption and Ride-Hailing Trends
- Safety Analysis of Motorcycle Ride-Hailing and On-Demand Delivery Services
- Mobile Source Emission Framework: Managing PM 2.5 in the Bangkok Metropolitan