

WESLENE I. UY

EDUCATION

UNIVERSITY OF PENNSYLVANIA

Master of City Planning, Concentration in Transportation and Infrastructure Planning

Philadelphia, PA

Expected May 2022

UNIVERSITY OF SUSSEX

Master of Science in Development Economics

Brighton, UK

Sep 2014

ATENEO DE MANILA UNIVERSITY

Bachelor of Arts in Economics

Manila, Philippines

Mar 2013

RELEVANT PROFESSIONAL EXPERIENCE

UNIVERSITY OF PENNSYLVANIA

Research Assistant & Design Fellow

Philadelphia, PA

Sep 2020 - Present

- Used R to analyze and summarize the results of the Origin-Destination Survey of Greater Mexico City
- Gathered and summarized transportation bills, transportation improvement programs, and environmental impact statements for Prof. Erick Guerra's book project on overbuilt highway infrastructure in the US
- Created an event feedback survey in Qualtrics and processed the results in R, assisted in stakeholder outreach, and prepared visualizations in ArcGIS and Illustrator for the Kennett Square Community Engagement Project

INSTITUTE FOR TRANSPORTATION AND DEVELOPMENT POLICY

Research Intern

Remote Work

Jul 2021 - Present

- Performed literature reviews, cleaned and organized datasets, and solicited feedback from regional offices for publications including the economic impact of cycling, public transportation financing, and battery electric buses

DEPARTMENT OF TRANSPORTATION

Project Development Officer

Manila, Philippines

Jan 2019 - Dec 2020

- Reviewed technical reports and facilitated contract negotiations for the Davao High Priority Bus System resulting in government savings amounting to \$1 million
- Gathered data on the fare structure and revenues of transport operators, prepared policy recommendations, and spearheaded the program launch of the Automated Fare Collection System pilot project using EMV payments
- Drafted the Department Order which doubled the equity subsidy for transportation operators participating in the government's flagship Public Utility Vehicle Fleet Modernization Program
- Prepared the program mechanics and budget request, and facilitated partnership with an e-money issuer for the disbursement of fuel and cash subsidies to over 110,000 transportation operators and drivers

PGAA CREATIVE DESIGN

Socioeconomic Consultant

Cebu, Philippines

Sep 2019 - Sep 2020

- Conducted site visits and key informant interviews, facilitated visioning workshops with stakeholders, and prepared the socioeconomic report for the Tourism Development Plan of Bantayan and Camotes Islands

STRATBASE ADR INSTITUTE

Senior Research Associate

Manila, Philippines

Sep 2016 - Dec 2018

- Prepared quarterly reports and white papers on the Philippine economy which were shared to corporate clients, maintained a database of economic indicators, and contributed opinion articles to leading national broadsheets
- Organized over fifteen round table discussions and performed editorial duties for over thirty publications

OFFICE OF THE CABINET SECRETARY, OFFICE OF THE PRESIDENT OF THE PHILIPPINES

Technical Assistant

Manila, Philippines

Jan 2015 - Aug 2016

- Prepared budget utilization reports and conducted site visits to monitor the progress of priority projects
- Summarized ridership trends and passenger feedback on the pilot implementation of the Point-to-Point Bus

ACADEMIC PROJECTS

- Performed spatial and statistical analysis, created visualizations, and developed machine learning models to predict bikeshare and rideshare demand, crash risk, and train delays using R and Python
- Mapped transportation infrastructure and census data for Oakland's District 6 using ArcGIS and helped produce our group's District Equity Plan using Illustrator, InDesign, and Photoshop
- Used VISSIM and VISUM to simulate traffic flow and analyze travel demand in Philadelphia
- Developed built environment measures and analyzed their relationship with car and motorcycle ownership and use in Metro Manila for my thesis (ongoing)