

# WESLENE I. UY

## EDUCATION

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**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

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**UNIVERSITY OF PENNSYLVANIA**

Research Assistant &amp; 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 a 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 with 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

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- 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)