Jonathan Yuan

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Education

University of Pennsylvania
Master of City Planning GPA 3.8
Transportation Planning
Aug 2017– May 2019

New York University
Bachelor of Arts GPA 3.7
Economics, Informatics
Aug 2012– May 2016

Skills

Data	Computing	Language
Excel	Python	English
R	JavaScript	Mandarin
SQL	Git, Atom	French

Spatial and Modeling	Design
ArcGIS	Adobe Creative
VISUM/VISSIM	HTML, CSS
	MS Word

Work

Urban Spatial
Prof. Ken Steif
Philadelphia, PA
Sept 2018 – present

Forecasting and Statistical Analyst
– Write machine learning and regression models to predict planning issues, including traffic congestion, flood and wildfire risk, housing code violations, and bike share rebalancing
– Optimize predictions and wrangle large public data sets (1M+ rows) in R, JavaScript, and ArcGIS
– Build video presentations, visualizations, and interactive webmaps to convey findings

Philadelphia Chinatown Development Corp.
Philadelphia, PA
Sept 2018 – present

Community Development Planner
– Perform fiscal and market analysis to support the new 150-unit mixed use Eastern Tower Community Center and the 20,000-attendee annual Night Market (夜市)
– Serve the Chinatown community through workshops, events, and direct engagement
– Assess parking needs through policy review and a survey of 100+ Chinatown stakeholders

Office of Transportation, Infrastructure, and Sustainability
Philadelphia, PA
Sept 2018 – Dec 2018

Vision Zero Consultant
– Advise the City of Philadelphia on Vision Zero policy aiming to eliminate traffic deaths by 2030
– Compile, analyze, and visualize crash data on the High Injury Network using R and ArcGIS
– Prepare strategies to build consensus for Vision Zero among community members and the city
– Present 40+ new planning and safety practices for Philadelphia city agencies

San Francisco Municipal Transportation Agency
San Francisco, CA
May 2018 – Aug 2018

Transportation Planner
– Independently executed a capital assessment study to direct investment in EV charging, integrating transportation policy concerning complete streets, climate action, and safety
– Supported planning and engineering projects, including signal timing for Bus Rapid Transit, dockless bike share and electric scooter permits, and interactive webmaps
– Mapped and analyzed transportation networks for ConnectSF, a 50-year transportation plan

African Cultural Alliance of North America
Philadelphia, PA
Jan 2018 – May 2018

Planning Consultant
– Created a comprehensive plan for Southwest Philadelphia, population 60,000
– Analyzed and presented data on demographics, economy, environment, and community
– Designed graphs, charts, and maps using Adobe Creative software to illustrate proposals

Projects

SexGen Policy Lab
Univ. of Pennsylvania
Philadelphia, PA
Sept 2018 – present

Gender and Policy Researcher
– Build research on diversity, inclusion, and equity in planning, economic, and housing policy
– Interview transgender subjects in mixed-methods study measuring travel stress
– Track and model stress levels on during travel using GPS, eye tracking, and biometrics

Professor Erick Guerra
Univ. of Pennsylvania
Philadelphia, PA
Sept 2017 – Mar 2018

Transportation Researcher
– Researched and analyzed crashes and commute patterns in 100 US and Mexico metro areas
– Translated technical US Census, and Mexico Intercensal data into non-technical narrative
– Performed spatial, raster, and statistical analysis using R, Python, and ArcGIS

Bike & Build
Southern US
May 2018 – Aug 2018

Rider, Fundraiser, and Volunteer
– Cycled 4,000 miles over eleven weeks from Jacksonville, FL to Monterey, CA
– Helped raise $500,000 for affordable housing, distributed to local non-profits
– Constructed affordable housing in communities of need in nine US cities

Bike New York
New York, NY
Sept 2015 – May 2017

Volunteer Marshal and Instructor
– Marshalled over 30,000 riders in the Five Boro Bike Tour and other local events
– Gave instruction on bicycle use, repair, and maintenance as part of BNY's free programming