

Jonathan Yuan

Contact

jonoyuan@alumni.upenn.edu

Portfolio

jonoyuan.github.io

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

Education

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

Spatial and Modeling	Design
ArcGIS, QGIS	Adobe Creative
PostGIS	HTML, CSS
	MS Word

Skills

Work

Toole Design Group

Oakland, CA
Sept 2019 – present

Transportation Planner & GIS Analyst

- Draft county- and city-wide master plans for Bay Area and Central Valley communities
- Manage tasks and projects including budgeting, contracting, and proposal writing
- Recommend bicycle, pedestrian, and transit improvements according to industry and AASHTO standards for user safety and comfort
- Lead active transportation analyses in Python, PostGIS, and R, such as Level of Traffic Stress
- Create interactive and paper maps for engagement with clients and the public

Sam Schwartz Engineering

New York, NY
June 2019 – Aug 2019

Transportation Planning Intern

- Performed hundreds of field sitings for new Citi Bike stations in Harlem under NYCDOT direction
- Supported direct engagement with upper Manhattan residents with Citi Bike station alternatives
- Created site plans, roadway concepts, and wayfinding designs for NYC airports during renovation
- Demographic, spatial, and equity analyses using Excel and data from ACS, NHTS, Uber, etc.

San Francisco Municipal Transportation Agency

San Francisco, CA
May 2018 – Aug 2018

Transportation Planning Intern

- Reviewed dockless micromobility permit applications and monitored compliance on SF streets
- Mapped and analyzed transportation networks for ConnectSF, a 50-year transportation plan
- Worked alongside planners and engineers, supporting wide-ranging projects as signal timing for Bus Rapid Transit, interactive web mapping, and emerging mobility management policy
- Independently executed a capital assessment study to direct investment in EV charging, integrating transportation policy concerning complete streets, climate action, and safety

Projects

Professor Ken Steif

Univ. of Pennsylvania
Philadelphia, PA
Sept 2018 – May 2019

GIS/Forecasting Analyst

- Wrote machine learning and regression models to predict planning issues, including bike share rebalancing, traffic congestion, flood and wildfire risk, and housing code violations
- Optimized predictions and wrangle large data sets (1M+ rows) in R, JavaScript, and ArcGIS
- Built presentations, visualizations, and interactive webmaps to convey findings to city agencies

Philadelphia Chinatown Development Corp.

Philadelphia, PA
Sept 2018 – May 2019

Community Planning Intern

- Performed 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)
- Served the Chinatown community through workshops, events, and direct engagement
- Assessed 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

- Advised the City of Philadelphia on Vision Zero policy aiming to eliminate traffic deaths by 2030
- Compiled, analyzed, and visualized crash data on the High Injury Network using R and ArcGIS
- Prepared strategies to build consensus for VZ among community members and the city
- Presented 40+ new planning and safety practices for Philadelphia city agencies

Bike & Build

Southern US
May 2017 – Aug 2017

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