

TOVA PERLMAN

EDUCATION:

University of Pennsylvania, Philadelphia, PA
Masters of Urban Spatial Analytics

May 2021

Brandeis University, Waltham, MA

Bachelor of Arts, Summa Cum Laude with highest honors in Art History

May 2018

Major: Art History; Minor: Afro and African American Studies and Near Eastern and Judaic Studies

RELEVANT COURSES:

Geospatial Data Science, Geospatial Software Design, Public Policy Analytics, Introduction to Housing, Community and Economic Development, Spatial Statistics, Javascript, Remote Sensing, Raster GIS using ArcGis Pro, Public Finance

SKILLS:

Computer: R, Python, Google Earth Engine, ArcGIS Pro, ArcMap, MS Word, Excel, PowerPoint, Internet literate, Adobe Premiere, Filemaker, HTML, CSS,
Language: Hebrew (proficient)

RELEVANT EXPERIENCE:

M.S, Urban Spatial Analytics, Philadelphia, PA

Sep 2020-May 2021

- Built predictive analytic models (logistic, OLS, Poisson Regressions) using R in the housing, policing and business sectors
- Analyzed crowd protest size in 2019 and 2020 using Python with CenPy API
- Used Google Earth Engine to measure saline lake shrinkage over time
- Project managed and conducted data analysis in R to predict likelihood of homelessness for the Metro Dallas Homelessness Alliance (MDHA).
- Built web application using Javascript to display homelessness predictions
- Wrote paper analyzing the spatial dimensions of network strength in low income communities
- Trained in supervised and unsupervised image classification analysis using SVM, Random Forest and deep learning methods with Keras and TensorFlow. Ran many variations of models to achieve accuracy for a Brazilian coffee dataset.
- Trained in using and manipulating raster data in ArcGIS Pro to do cost-distance analysis, site suitability analysis, and local, focal, and zonal statistics
- Experience and interest in public finance, affordable housing and economic development

Weizman School Admissions Ambassador, Philadelphia, PA

Sep 2020-Present

- Recruited and spoke with prospective students about MUSA program

Logistics Support Manager, United Synagogue of Conservative Judaism, New York, NY

Jan 2019-Present

- Plan six week bus trips around the continental United States for 100 high school students and staff, negotiating contracts, arranging travel, creating financial reports and code budgets
- Manage event logistics including catering, transportation and hospitality for staff training seminars with 50 people over four days

Honors Thesis, Brandeis University, Waltham, MA

Jan-Apr 2018

- Utilized theories of space and place to analyze the role of street art in urban landscapes including New York and Paris
- Produced a 115 page thesis with chapters on history of street art, its practice, and spatial theory, successfully submitted it, earning Summa Cum Laude with highest honors in Art History

Fellow and Coordinator, Brandeis Bridges Waltham, MA

Dec 2014-May 2018

- Planned and facilitated Black and Jewish dialogue on campus and through experiential learning in places with historical ties to both communities including the American South, Ghana, Chicago, and Brazil
- Raised \$45,000 through applying to grants and reaching out to donors
- Collaborated with Brandeis administration to design course curriculum about Black-Jewish dialogue

PRESENTATIONS:

"Boston Street Art," Presentation, *ESRI Summer Meet-up*, New York, NY

Jul 2018

"DeisTalks: Defining Street Art," Presentation, *Brandeis Admitted Students Day*, Waltham, MA

Apr 2017