

EDUCATION

- 2019 - **Massachusetts Institute of Technology**, Cambridge, MA
Ph.D. in Urban Information Systems, Department of Urban Studies and Planning
- 2017 - 2019 **Massachusetts Institute of Technology**
Master in City Planning
Thesis: “A Study on City-University Partnerships for Smart City Technologies”
Advisor: Lawrence Susskind
- 2011 - 2015 **Tufts University**, Medford, MA
B.S. in Physics & Peace and Justice Studies, *summa cum laude*
Thesis: “A Theoretical Justification for Government Funding of Basic Physics Research”
Advisor: Lionel McPherson
- 2013 **Tufts-in-Chile Program**, Santiago, Chile
Pontificia Universidad Católica de Chile, Universidad De Chile

PUBLICATIONS

Peer Reviewed Articles

- 2021 **Preis, B.**, A. Janakiraman, A. Bob, and J. Steil. “Mapping Gentrification and Displacement Pressure: An Exploration of Four Distinct Methodologies.” *Urban Studies* 58, no. 2 (February 2021): 405–24. doi: [10.1177/0042098020903011](https://doi.org/10.1177/0042098020903011)
- 2020 **Preis, B.**, L. Susskind. “Municipal Cybersecurity: More Work Needs to be Done.” *Urban Affairs Review*. Pre-published online. doi: [10.1177/1078087420973760](https://doi.org/10.1177/1078087420973760)

Journal Article Manuscripts in Preparation

- Preis, B.** “Estimating the Effect of Transit Investment on Housing Prices in Santiago, Chile”
- Preis, B.**, S. Razmilic. “Dinámica inmobiliaria, demografía e inmigración: evolución reciente en Santiago”

PRESENTATIONS

- 2018 **Preis, B.**, A. Bob, and A. Janakiraman. “Mapping Gentrification and Displacement Pressure: An Exploration of Four Distinct Methodologies.” American Collegiate Schools of Planning Annual Conference (ACSP). Buffalo, New York. Oct 25–28.
- 2015 **Preis, B.** “The Importance of Science Policy and its Challenges,” American Physical Society, San Antonio, TX, March. (Unable to present)

RESEARCH EXPERIENCE

- 2020 **Nowak Metro Finance Lab, Drexel University, *Graduate Research Analyst***
- Collaborated with Director Bruce Katz to develop strategies for increasing anchor institution procurement from local and Black-owned businesses in the face of COVID-19
 - Wrote a series of reports on Black-owned businesses in the US, using Census Bureau data
- 2019 **Center for Public Studies, Santiago, Chile, *Visiting Research Assistant***
- Studied causal impact of immigrants on housing prices in Santiago, Chile during a recent wave of immigration using census data and novel housing price transaction data
- 2018 - 2019 **Department of Urban Studies & Planning, MIT**
Master's Thesis
- Advisor: Lawrence Susskind. Reader: Sarah Williams.
- Case studies examining city-university partnerships on Smart City technology deployment
 - Developed 7 recommendations, and 14 action items, for enhanced private-public partnerships
- Computer Science and Artificial Intelligence Laboratory (CSAIL) Research Assistant*
- Advisor: Lawrence Susskind
- Analyzed 100+ current state and local regulations regarding cybersecurity for public entities
 - Recommended best practices for risk reduction and resilience prior to, and following cyberattacks on local governments, utilities, and other critical urban infrastructure providers
- 2017 - 2018 *Department of Urban Studies and Planning Research Assistant*
- Advisor: Lawrence Susskind
- Conducted qualitative research into MIT's community engagement practices
- 2014 - 2015 **Peace and Justice Studies Program, Tufts University, *Senior Honors Thesis***
- Advisor: Lionel McPherson, Philosophy. Reader: Tim Atherton, Physics.
- Senior Honors Thesis at the intersection of physics and philosophy, seeking to understand the role of government funding and justification in basic research in physics
 - Developed a framework justifying government funding, using economic and political theory
- 2014 - 2015 **Department of Physics, Tufts University, *Undergraduate Research Assistant***
- Advisor: Hugo Beauchemin
- Advanced work on a C++ program to model the creation of particles for use at CERN

SKILLS

Technical	<i>Advanced:</i> R RStudio ArcGIS	Language	English: Native fluency
	<i>Competent:</i> C++ Python Mathematica		Spanish: Professional & working fluency
	<i>Beginner:</i> Access SQL		

FELLOWSHIPS AND GRANTS

- 2019 **Lloyd and Nadine Rodwin Fund, MIT Department of Urban Studies and Planning (\$850)**
Presidential Fellowship, MIT (\$86,000)
Carrol L. Wilson Prize, MIT (\$2,250)
- 2018 **National Science Foundation Graduate Research Fellowship (\$138,000, through 2023.)**
William Emerson Travel Grant, MIT Department of Urban Studies and Planning (\$750)

RELEVANT WORK EXPERIENCE

- 2018 **Urban Redevelopment Authority of Pittsburgh**, Pittsburgh, PA, *Graduate Housing Intern*
- Researched best practices & recommend activities for the \$10M Housing Opportunity Fund
- 2018 **Cambridge Housing Authority**, Cambridge, MA, *Research Associate Intern*
- Designed a comprehensive economic mobility pilot program focusing on homeownership assistance for residents of Cambridge public housing
- 2015 - 2017 **Lewis-Burke Associates**, Washington, DC, *Government Relations Associate*
- Developed & executed strategies to advocate for clients' priorities with federal policymakers in Congress and in the Executive branch in the fields of smart cities, energy, engineering, and the physical sciences
- 2014 **U.S. House of Representatives, Rep. Bill Foster**, *AIP Mather Science Policy Intern*
- Wrote & researched memoranda relating to science policy, foreign policy, & financial services

TEACHING

- Department of Urban Studies and Planning, MIT**
- 2021 11.220 Quantitative Reasoning and Statistical Methods for Planning I, *Teaching Assistant*
- 2020 11.S952 Urban Science in Practice, *Teaching Assistant*

AWARDS AND HONORS

- 2018 **Dolores Zohrab Liebmann Fund**, MIT Nominee (Unawarded)
- 2015 **Sigma Pi Sigma**, Undergraduate Physics Honor Society, Tufts University
- Phi Beta Kappa**, Tufts University
- Class of 1898 Prize**, Tufts University
- Marshall Hochhauser Prize**, Tufts University

ACTIVITIES AND SOCIETIES

- 2020-2017 - PhD Committee, MIT Department of Urban Studies and Planning, *Member*
- 2017 - American Planning Association, *Member*
- 2017 - Association of Collegiate Schools of Planning, *Member*
- 2018 - 2019 DUSP Student Council, *Executive Board*
- 2011 - 2015 Society of Physics Students, *National and Chapter Member*
- 2012 - 2015 Tufts University Peace & Justice Studies Program Executive Board, *Member*
- 2011 - 2012 Compass Fellowship, *Social Entrepreneurship Education Fellow*