

Evan Harry Cernea

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Professional Summary

Masters' of Science in Urban Spatial Analytics, a program that combines data science and statistics with a focus on urban issues. Seeking to combine my liberal arts undergraduate experience with my STEM graduate studies to analyze large datasets and present those insight to help businesses make data-based decisions that align with their project goals. Well-versed in R, PostgreSQL, C#, Javascript, HTML/CSS, and the ArcSuite, Natural Language Processing, Keras and TensorFlow.

Education

University of Pennsylvania, School of Design , Philadelphia, PA	May 2018
Masters' of Science in Urban Spatial Analytics with Honors	
Relevant Courses: Spatial Statistics, Sensing the City, Spatial Analysis for Urban Planning, Javascript	
University of Pennsylvania, College of Arts and Sciences , Philadelphia, PA	May 2017
Bachelor of Arts in Urban Studies with Honors, Minor in History	
Magna Cum Laude, Phi Beta Kappa	
Relevant Courses: Data Visualization and Wrangling, Geospatial Software Design, GIS Applications in Social Science	

Work Experience

Urban Spatial , Philadelphia, PA	June 2018 – Present
<i>Contractor</i>	
<ul style="list-style-type: none">Created algorithms to impute missing features in complex datasets.Used advanced machine learning techniques to predict potential sale prices in a real estate markets.	
University of Pennsylvania School of Design , Philadelphia, PA	January 2018 – May 2018
<i>Teaching Assistant for Data Wrangling and Visualization</i>	
<ul style="list-style-type: none">Aided graduate students with data visualization, PostgreSQL database management, and web scraping.Helped instructor Max Galka design the course, grade assignments, and troubleshoot code.	
DataArts , Philadelphia, PA	June 2017 – December 2017
<i>Research Fellow</i>	
<ul style="list-style-type: none">Automated data wrangling processes for demographic surveys using R.Researched economic impact of arts and cultural organizations in Philadelphia.	
Fox Leadership Program Fellowship , Philadelphia, PA	January 2017 – May 2017
<i>Research Assistant</i>	
<ul style="list-style-type: none">Researched the cost of worker turnover in the trucking industry for Dr. Steve Viscelli.Aided in a literature review about federal government subsidies for worker retraining.	
Praxis Commercial, LLC , Ardmore, PA	Summer 2016
<i>Summer Analyst</i>	
<ul style="list-style-type: none">Underwrote and analyzed large commercial land portfolio using Excel and via broker calls.Gave company-wide presentation on improvements to post office properties; developed deliverable outlining next steps.	
Arcadia Land Company , Narberth, PA	January 2016 – May 2016
<i>Intern</i>	
<ul style="list-style-type: none">Conducted market research on mixed-use developments for a client; prepared associated meeting documents for Vice President.Researched and identified commercial market options to client looking to develop shopping center.	

Technical Skills

R, Javascript, PostgreSQL, C#, PostGIS, HTML, CSS, ArcMap, ArcPython, SPSS, VBA, GeoDa, Microsoft Suite, Adobe Illustrator

Volunteer and Leadership Experience

Penn for Youth Debate (PFYD) , University of Pennsylvania	
<i>Vice President (Winter 2014 – Winter 2015), Curriculum Director (Winter 2013 –2014), Volunteer</i>	Fall 2013 – Spring 2017
<ul style="list-style-type: none">Planned and implemented the syllabus for volunteers and teachers to use to teach debate to Philadelphia public school students.Helped run a national tournament with 400+ attendees from across the nation two years in a row.	
Student Activities Council , University of Pennsylvania	
<i>Communications Director</i>	Fall 2014 – Fall 2015
<ul style="list-style-type: none">Awarded and distributed annual budget allocations of all student clubs recognized by the University.	
The Daily Pennsylvanian , <i>Associate Copy Editor</i>	Winter 2014 – Spring 2016
Academic Policy Committee of the Board of Trustees , <i>Student Representative</i>	Summer 2014 – Summer 2015