Evan Harry Cernea

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Professional Summary

I am a Masters' student in Urban Spatial Analytics, a program that combines data science and statistics with a focus on urban issues. I am 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. I am well-versed in R, PostgreSQL, C#, Javascript, HTML/CSS, and the ArcSuite. I am currently studying Java, and machine learning techniques with Keras and TensorFlow.

Education

University of Pennsylvania, School of Design, Philadelphia, PA   May 2018
   Masters' of Science in Urban Spatial Analytics
   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

University of Pennsylvania School of Design, Philadelphia, PA   January 2018 - Present
Teaching Assistant for Data Wrangling and Visualization
- 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 - Present
Research Fellow
- Automated data wrangling processes for demographic surveys using R.
- Researched economic impact of arts and cultural organizations in Philadelphia.

Digital Humanities @ Penn Libraries, Philadelphia, PA   January 2017 – May 2017
Intern
- Updated guides directing users how to use various mapping software.
- Researched different methods of open-source geocoding.

Fox Leadership Program Fellowship, Philadelphia, PA   January 2017 – May 2017
Research Assistant
- 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
Summer Analyst
- 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
Intern
- 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
Vice President (Winter 2014 – Winter 2015), Curriculum Director (Winter 2013 –2014), Volunteer   Fall 2013 – Spring 2017
- 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
Communications Director   Fall 2014 – Fall 2015
- Awarded and distributed annual budget allocations of all student clubs recognized by the University.

The Daily Pennsylvanian, *Associate Copy Editor*   Winter 2014 – Spring 2016
Academic Policy Committee of the Board of Trustees, *Student Representative*   Summer 2014 – Summer 2015