Raanan Gurewitsch

BPhil in Information Science, University of Pittsburgh '19
Expertise and Interests:
Lead in Water, Geospatial Data, Social Impact Technology, Design Thinking

Pittsburgh, Pennsylvania　　　　　　　raanan@geominr.com

Experience

Founder and President, Geominr, LLC.	Sep. 2019–Present

Independent consultant for geospatial data, research and design services

Technical Programmer, Public Health Dynamics Laboratory	Aug. 2019–Feb. 2020

Designing and implementing a new retrieval and visualization product for Pitt Public Health's MOIRA database, which contains the cause and location of all recorded deaths in the US between 1950 and 2017.

Independent Consultant, BioMedware, Inc.	Aug. 2019–Feb. 2020

Providing performance testing and UX feedback for SpaceStat™ spatiotemporal data analytics software

Data Science Fellow, United States Census Bureau	Jun. 2019–Aug. 2019

2019 Civic Digital Fellowship Cohort – Census Economic Reimbursable Surveys Division
➢ Built OpenStreetMap machine learning pipeline, which allows Census analysts to gather location-specific data and statistics on roads, buildings, land use, etc. in sci-kit learn-compatible format
➢ Used OpenStreetMap Pipeline to help reduce sample frame for 2022 US Commodity Flow Survey

Client Services Intern, City of Pittsburgh - Innovation & Performance	Mar. 2018–Apr. 2019

Developed a City-wide software inventory analysis to inform software procurement strategy
➢ Collected software installation data from over 1,000 computers across all 19 City departments
➢ Led 'capabilities mapping' sessions with users of key software from several departments to assess qualitative value of the City's digital assets
Assisted with requirements gathering for process automation and other software procurement projects

Student, Researcher and Activist, University of Pittsburgh	Aug. 2015–Apr. 2019

Bachelor of Philosophy, Information Science – University Honors College | School of Computing and Information
3.696 GPA - Economics minor - Coursework in data analytics, GIS, public health and entrepreneurship
➢ Built the first machine learning model for identification of lead water service line locations in Pittsburgh, PA.
  o *'Pb-Predict'* (2019) model performed at 78% accuracy and led to a research partnership between the Pittsburgh Water and Sewer Authority and the Geoinformatics Laboratory at the University of Pittsburgh
  o Research accepted for presentation at EcoCity World Summit 2019 (Vancouver, BC) and previously at Mid-Atlantic Undergraduate Research Conference 2019 (Virginia Tech University)
  o First undergraduate (non-PhD candidate) member of Geoinformatics Laboratory
  o Second ever Information Science major at University of Pittsburgh to graduate with highest distinction
➢ Founder and Studio Lead, **Design for America – Pitt** (Fall 2016 – Fall 2018)
  o Team Lead**, H2infO Initiative** (Spring 2017, 2018) – Partnership with Epsilon Eta environmental fraternity, Pitt Analytical Chemistry Dept. and Women for a Healthy Environment provided free tap water tests and water filter pitchers to Pitt students in off-campus housing– Winner of 4th place in 2017 Randall Family Big Idea Competition
➢ Community-Based Research Fellow, **University Honors College** (Summer 2017)
  o UHC Dean's Award for research project *Mapping Pittsburgh's Lead Problem (2017)*
➢ Research Assistant, **University of Sydney Business School** (Study Abroad Internship, Fall 2017)
  o Collected data (manually and using web scraping) from Angel.co, Crunchbase and LinkedIn to analyze the business models and founding teams of healthcare AI startups
➢ Israel Summer Business Academy, **Washington University in St. Louis** (Study Abroad, Summer 2016)
  o Coursework on Israeli innovation ecosystem and venture creation at Interdisciplinary College Herzliya
➢ Young Judaea Year Course in Israel – Academic and service-based gap year program (Sept. 2014 – May 2015)