

Nicholas Grokhowsky, M.S.

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EDUCATION

Graduate Certificate in Computer Programming <i>Harvard University, Cambridge, Massachusetts</i>	January 2019
Master of Science in Geomatic Sciences <i>University of Florida, Gainesville, Florida</i>	December 2018
Graduate Certificate in Geospatial Analysis <i>University of Florida, Gainesville, Florida</i>	June 2018
Bachelor of Art in Interdisciplinary Social Sciences <i>Florida Atlantic University, Boca Raton, Florida</i>	December 2005

RESEARCH INTERESTS

Improving human decision making and judgment using data science methods and technologies

RESEARCH EXPERIENCE

ORISE Fellow <i>U.S. Environmental Protection Agency, RTP, North Carolina</i>	November 2020 - present
<ul style="list-style-type: none">• Design and implement exploratory and inferential statistical analysis of elevated blood lead levels based on environmental and sociodemographic variables.• Contribute to interdisciplinary team of researchers aimed at uncovering environmental conditions that increase chemical contamination.• Collaborate with administrators and researchers to conduct and document high priority research.	
Data Manager <i>U.S. Environmental Protection Agency, RTP, North Carolina</i>	July 2019 - November 2020
<ul style="list-style-type: none">• Supply quality assurance and quality control metrics for data representativeness and data collection.• Participate with federal and state level researchers in identifying data and data analysis approaches.• Produce high quality data visualizations for QAQC and research publication.	

TEACHING AND MENTORING EXPERIENCE

Graduate Teaching Assistant <i>Center for Geospatial Analytics</i>	Spring 2022
<ul style="list-style-type: none">• Prepared notes, reviews, and recommendations of student database and data visualization submissions.• Curated and edited assignments per professor's requirements.	
Student Assistant <i>ESRI</i>	March 2018
<ul style="list-style-type: none">• Liaison between ESRI's clientele and the software engineering/data science teams.• Provided written and verbal input about product owner presentations to ESRI's clientele of developers.	

- Networked with thousands of data scientists, software engineers, and GIS specialists.

HONORS AND AWARDS

Eagle Scout

Fall 1998

Boy Scouts of America

- Taught hundreds of young men invaluable skills in leadership, discipline and outdoor survival.
- Led conservation projects including mangrove nursery restoration, reforestation of local parks, and cleaning local waterways.
- Contributed thousands of hours to charitable events including fundraising and donation events.

PUBLICATIONS AND POSTERS

Xue J, Zartarian V, Tornero-Velez R, Stanek LW, Poulakos A, Walts A, Triantafillou K, Suero M, Grokhowsky N. A Generalizable Evaluated Approach, Applying Advanced Geospatial Statistical Methods, to Identify High Lead Exposure Locations at Census Tract Scale: Michigan Case Study. *Environ Health Perspect.* 2022 Jul;130(7):77004. doi: 10.1289/EHP9705. Epub 2022 Jul 27. PMID: 35894594; PMCID: PMC9327739.

Grokhowsky, Nicholas. 2022. Identifying bias in childhood blood lead research using natural language processing. [Poster]. CURISA: NC GIS Conference Poster Session. 2021.

DeLuca N, Mullikin A, Slover R, Thomas K, George B, Stanek L, Grokhowsky N, Hubal E. Geographic and Demographic Variability in Serum PFAS Concentrations for Pregnant U.S. Women. *Environ Health Perspect.* [Conference presentation abstract]. 2021;1

PROFESSIONAL EXPERIENCE

Strategic Account Specialist

May 2017 - July 2020

American Insurance Advisers

- Increased client base by an additional 50%
- Identified key industries and consulted with local business leaders.
- Diversified firm's book of business into 3 new industries.

Managing Director

February 2012 - May 2017

American Insurance Advisers

- Introduced data analytic metrics as key indicators for growth and retention.
- Improved client retention rates by an additional 10%.
- Increased firm's revenue by approximately 10% per annum
- Coached co-workers and employees in sales, service, and marketing systems.

Insurance Producer

Sept. 2008 - February 2012

American Insurance Advisers

- Solicit high net worth clientele to educate and sell them insurance products.
- Consulted with local businesses to create feasible insurance plans, and sell insurance solutions.

TECHNICAL SKILLS

Programming languages and mathematical packages: Java, Python, C++, R, SAS, JavaScript

Visualization tools: Photoshop, InkScape, Blender, Kepler, Tableau, Leaflet, RawGraphs, Leaflet, HTML, & CSS

GIS: ArcGIS and ArcPro, GrassGIS, QGIS, GeoPandas, Rasterio, Shapley

Other: Windows OS, Linux OS, Mac OS, Certified Scrum Master (CSM)

REFERENCES

Lindsay Stanek, Branch Chief

U.S. Environmental Protection Agency, Center for Public Health and Environment
(919) 541-7792, stanek.lindsay@epa.gov

Rogelio (Mike) Tornero-Velez, Physical Scientist

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Hartwig (Henry) Hochmair, Associate Professor of Geomatics

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Adam Benjamin, Affiliated Geospatial Researcher

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