

YESH KHANNA

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Portfolio: <https://www.khanna-geo.com/>

EDUCATION

Temple University, College of Liberal Arts – Philadelphia, PA

December 2024

Professional Science Masters, Geographic Information Systems

Temple University, College of Liberal Arts – Philadelphia, PA

May 2023

Bachelor of Arts, Global Studies (Security Track) | Minor in Computer Science | Certificate in GIS

Temple University Honors Program | Diamond Award Recipient

Selected Coursework

Geospatial/Programming: *Cartographic Design, Remote Sensing, GIS for Health Data Analysis, Spatial Database Design, Big Geospatial Data, GIS Application Development, Fundamentals of GIS, Location Analysis in GIS, Urban GIS, Spatial Statistics, Programming in Python, Program Design and Abstraction in Java, Low Level Programming in C*

Policy Analysis: *Sustainable Human-Environment Systems, Climate Change and Justice, East Asia and the United States, International Politics, Macroeconomic Principles, U.S. Foreign Policy, Superpower America, Global Terrorism*

RESEARCH & INTERNSHIP EXPERIENCE

Graduate Research Assistant

June 2024 – December 2024

Spatial Analytics Lab at Temple University – Philadelphia, PA

- Developing a Python based geospatial application for Dr. Daniel Wiese's (Temple University and American Cancer Society) research on association between gentrification and changes in greenspaces, traffic density, and air quality in the US metropolitan areas.
- Automating the extraction of big temporal data 2001-2018 from various sources, including NLC database for Tree Canopy cover, Road density network and imperviousness, NASA's air quality data, and traffic density data from the National Neighborhood Data Archive.
- Calculating the changes over time and evaluating the differences by area gentrification status.

Editor

September 2022 – September 2024

Penn Political Review, University of Pennsylvania – Philadelphia, PA

- Critically reviewed submissions for the upcoming editions of University of Pennsylvania's Penn Political Review.
- Suggested edits to improve the overall grammatical quality, flow, and factuality of submissions.

Emerging International Journalism Intern

June - August 2022

Global Philadelphia Association – Philadelphia, PA

- Covered and wrote about events of international importance in Philadelphia, and the work done by the association's members and published them on the association's website.
- Conducted background research on various events and organizations of global importance and wrote articles for the association's newfeed.
- Performed community management tasks, updating event calendars and handling the Facebook page.

Diamond Research Scholar

May 2021 - March 2022

Temple University, Undergraduate Studies – Philadelphia, PA

- Performed research on the differences in the United States' policy response to the genocides in Biafra and Bangladesh, analyzing primary source documents, such as declassified intelligence reports and State Department memorandums, and relevant secondary sources.

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Research Intern

January - April 2021

Think Tanks and Civil Societies Project, University of Pennsylvania – Philadelphia, PA

- Conducted research on the intersection of environmental policy and contemporary security issues, and ecological warfare. Collected data, and conducted literature searches, reviews, and analyses for TTCSP's Global Go To Think Tank Index Report.
- Monitored national and global news feeds and selected websites on think tanks, policy advice, and project-specific issues to update TTCSP's Global Go To Think Tank Index Report

PUBLICATIONS

- [Yesh Khanna's Google Scholar Page](#)
- "Nuclear Volatility in South Asia," MUNDI, June 2024.
- "26/11 Mumbai Attacks," Penn Political Review, September 2022.
- "United States in Somalia: An Autopsy," Penn Political Review, February 2022.
- "Friction in China-Japan Relations: Causes and Challenges," Penn Political Review, September 2021.
- "1971: The Bloodied Legacy of the United States in South Asia," Penn Political Review, May 2021.

LEADERSHIP EXPERIENCE

Honors Admissions and Transitions Team (HATT) Ambassador, Temple University	2019-2023
Director of Accessibility, Temple Student Government	2021-2022
International Student Advisory Board Leader, Temple University	2020-2022

SKILLS

Software Packages: ArcGIS (Pro, Desktop, Online, Business Analyst, StoryMaps), QGIS, PostgreSQL, JMP (Spatial Statistics package), Google SketchUp.

Programming Languages: Python, R, SQL.