**Alexander V. Granato, E.I.T**

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**EDUCATION & CREDENTIALS**

MS, Statistics-Analytics, University of Illinois Urbana-Champaign (Aug. 2021 – Dec. 2022)

* Major GPA: 3.44/4.00

Engineer in Training (Jul. 2021 – Present)

BS, Civil Engineering, The Ohio State University (Aug. 2016 – May 2021)

* Cumulative GPA: 3.478/4.00
* Minor: Statistics
* Engineering Concentration: Global Options in Engineering

Boeing Mentor and Leadership Award (Apr. 2019)

Academic Commitment to Excellence as a Scholar of OSU (Apr. 2018)

**CAREER EXPERIENCE**

Transportation Planning Engineer, The Corradino Group, Indianapolis, Indiana (Mar. 2022 – Present)

* Located presentation data for 21 Visioning Corridors in Kentucky through TransCAD and ArcGIS Pro
* Influenced data decision in INDOT to use 2023 data over 2019 data of freeway average annual daily total and truck traffic
* Updated roadway networks for Terre Haute, Indiana and 3-mile area of Kentucky using critical inputs and Google Maps

Graduate Research Assistant, Civil and Environmental Engineering Department, UIUC (May 2022 – Aug. 2022)

* Discovered total number of lane changes for 12 videos of 6 crashes using Microsoft Excel and QuickTime Player
* Compared manually determined volume data for 5 crashes (4 on I-90) to within 5% accuracy of sensor-determined data using Excel
* Developed draft for report declaring manually determined volume data sufficiently close to sensor data

Student Research Assistant I, Department of Civil, Environmental and Geodetic Engineering, OSU (Oct. 2019 – Aug. 2021)

* Co-produced Origin-Destination matrices of weekly bus traffic for research on Ohio State campus
* Constructed 150 clips of 60 QuickTime Player videos based off bus stops
* Cut 72 videos into segments of said bus routes through MATLAB

Student Utilities Assistant, Office of Student Life Energy Management & Sustainability, OSU (Apr. 2019 – Aug. 2021)

* Analyzed over 550 monthly energy bills for Ohio State building management dataset, and replicated data onto Microsoft Access database
* Co-assembled 2020 energy usage prediction for the campus using Microsoft Excel and past data of the branch
* Discovered and diagnosed 25+ missing and 50+ reactivated accounts using eReports and Microsoft Access
* Assembled 500+ missing bills from years past on eReports; and corrected 650+ missing or incorrect bill start dates in Microsoft Access database

**TECHNOLOGY & COMPUTER SKILLS**

TransCAD, ArcGIS Pro, ERDAS Imagine, R/RStudio, Python, SAS, MATLAB, Github Enterprise

**ASSOCIATIONS**

Associate Member of American Society of Civil Engineers (Aug. 2018 – June 2023)

* Contributing to [5+ Discussion chats every month](https://collaborate.asce.org/get-started/asceprofile/contributions/contributions-list) as Topic Moderator

Co-Secretary of the Resident Leadership Board on UIUC campus (Oct. 2021 – Apr. 2022)

* Reconnecting dozens of graduate students to campus life using budget of $8,000 per year

**HONORS AND AWARDS**

Member of the Environmental and Natural Resources Scholars Program, The Ohio State University (Aug. 2016 – Apr. 2018)

Diversity and Inclusion Enhancement Award as co-star of SHPE Diversity, Outreach, & Inclusion

principles video (Feb. 2018)