Alexander V. Granato
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LinkedIn

Civil engineering graduate with two years of experience in documenting energy data and analyzing content.

KEYWORDS

Civil Engineering, Data Science and Analytics, Environmental, Organization and Documentation, Project Management and Statistics

EDUCATION & CREDENTIALS

MS, Statistics-Analytics, University of Illinois Urbana-Champaign   (Aug. 2021 – present)
- Major GPA: 3.89/4.00

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)
Minority in Engineering Commitment to Excellence Scholar   (Apr. 2019)
Academic Commitment to Excellence as a Scholar of OSU   (Apr. 2018)

CAREER EXPERIENCE

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. Co-assembled 2020 energy usage prediction for the campus. Independently developed projects such as identifying missing bills from the database.
- Mapped out information from 44 campus buildings to construct HVAC Mechanical Schedules
- Discovered and diagnosed 25+ missing and 50+ reactivated accounts using eReports
- Identified 500+ missing bills from years past on eReports; corrected 650+ missing or incorrect bill start dates in Microsoft Access database

Student Research Assistant I, Department of Civil, Environmental and Geodetic Engineering, OSU   (Oct. 2019 – Aug. 2021)
Rode Ohio State campus bus services to create Origin-Destination matrices of weekly bus traffic for research. After COVID-19 hit, switched to developing analysis of recorded videos. Counted the passing vehicles for 48 videos, created 150 clips of 60 videos based off bus stops, and cut 72 videos into segments of said bus routes through MATLAB.

PROJECTS

INNOVATE-O-thon, DriveOhio   (Nov. 2018)
Student competition where undergraduates were split into groups and planned the installation of autonomous vehicles on campus within 3 years. Design ideas were presented to companies including SmartColumbus and DriveOhio. Directed group of 3 students into designing vehicles and potential routes; awarded Best Business Model for ideas and presentation.

TECHNOLOGY & COMPUTER SKILLS

ArcGIS, ERDAS Imagine, RStudio, Python, C++, MATLAB, Github Enterprise

ASSOCIATIONS

Co-Secretary of the Resident Leadership Board on UIUC campus   (Oct. 2021 – present)
- Reconnecting dozens of graduate students to campus life using budget of $8,000 per year

Associate Member of American Society of Civil Engineers   (Aug. 2018 – present)
- Contributing to 5+ Discussion chats every month as Topic Moderator

Society of Hispanic Professional Engineers at the Ohio State University   (Aug. 2016 – present)
- Conveyed outreach principles in video that won student group Diversity and Inclusion Enhancement Award
- Chaired marketing committee and distributed 15 flyers for Holiday Toy Drive Fiesta