

Mohamed Alsaleh

M.Sc. in Civil / Transportation Engineering

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Louisiana State University (LSU)
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[Personal Portfolio](#) | [LinkedIn](#)

Education

M.Sc. in Transportation and Highway Engineering *May 2024–Present*
Louisiana State University (LSU), Baton Rouge, LA, USA
GPA: 4.07/4
Minor in Applied Statistics

B.Sc. in Civil Engineering *Sep 2018 – May 2023*
Jordan University of Science and Technology, Irbid, Jordan
GPA: 3.93/4
Ranked **2nd** out of **126** graduate batch
Ranked **1st** for Fall semester 2021-2022
On the Dean List for Scholarly Award and Academic Excellence for **8** consecutive semesters

Professional History

Civil Engineering Intern | DI WOLFGANG HÖPPL | Austria *July 2022– Oct 2022*
- Summer internship at DI WOLFGANG HÖPPL, Austria, gaining multidisciplinary field and office experience.
- Applied Civil 3D, QGIS, AutoCAD, and Python for engineering design and analysis tasks.
- Collected and processed geospatial data (GPS, Total Station, Sonar) to generate 2D/3D contour maps and plans.

Research Affiliations

Graduate Research Assistant | Louisiana State University (LSU) | United States *May 2024– Present*
Project: Ground-in Edge and Centerline Rumble Strip/Rumble Stripe Evaluation and Best Practices (LTRC Funded, 204,983 USD)
- Led experimental and data-driven evaluation of rumble strip noise and vibration using AASHTO, SAE, and ISO standards.
- Co-authoring two peer-reviewed papers: experimental evaluation and ML-based noise prediction.
- Designed and implemented data collection and analysis protocols, including Python and R scripts for acoustic/vibration metrics.
- Directed a multidisciplinary field team (technicians, undergraduate, and PhD students).
- Presented research at the 104th TRB Annual Meeting (four accepted posters).
- Contributed to drafting three research proposals.

Other Appointments and Leadership Roles

Elected President, ITE LSU Student Chapter

May 2025–Present

Louisiana State University (LSU) | United States

Leading initiatives to improve student participation, industry-academic collaboration, and transportation research excellence.

Elected Treasurer, ITE LSU Student Chapter

Sep 2024–May 2025

Louisiana State University (LSU) | United States

Competitive Awards and Recognitions

Graduate Research Award (2nd Place) — 13th Annual CEE Graduate Student Research Conference. 2025

Louisiana State University

Gulf Region Intelligent Transportation Systems (GRITS) Scholarship — Recipient for the 2024 School Year. 2024

Gulf Region Intelligent Transportation Systems (GRITS)

Bentley Travel Grant — Awarded by Louisiana Transportation Research Center (LTRC) to attend the TRB Annual Meeting, Washington, DC. 2024

LTRC / TRB Annual Meeting, Washington, DC

Ranked 2nd out of 126 Graduate Students — Civil Engineering Graduate Batch. 2023

Jordan University of Science and Technology (JUST)

Ranked 1st in Civil Engineering Cohort — Fall 2021–2022 academic year. 2021–2022

Jordan University of Science and Technology (JUST)

Dean List for Scholarly Award and Academic Excellence — Recognized for academic excellence in eight consecutive semesters. 2018–2023

Jordan University of Science and Technology (JUST)

Featured Courses

Course	Final Grade
EXST 7004 — Experimental Statistics I	A
CE 7610 — Traffic Operations and Control	A
CE 7700 — Intelligent Transportation Systems	A
GEOG 4047 — Geographic Information Systems	A+

Computer and Language Skills

Languages: Arabic, Macedonian (Native); English (Fluent, IELTS 7.5).

Technical Skills: Data Analysis and Programming (Python, C++), ArcGIS/QGIS, MS Excel, AutoCAD, LaTeX, PTV Vissim, Civil 3D.

Courses and Certifications

Data Analysis with Python — IBM Developer Skills Network.	2024
Python 101 for Data Science — IBM Developer Skills Network.	2024
Machine Learning with Python — IBM Developer Skills Network.	2024
QGIS Mega Course: GIS and Remote Sensing — Beginner to Expert — Udemy (Online).	2023

Research Conferences

C3	13th Annual LSU CEE Graduate Student Research Conference — March 2025	2025
C2	TRB 104th Annual Meeting, Washington, D.C. — January 2025	2025
C1	GRITS Annual Meeting, Biloxi, MS — October 2024	2024

List of Publications

J1	A. Al-Omari, M. Alsaleh , N. Shatnawi. Spatial-temporal analysis and severity prediction of traffic accidents. <i>Engineered Science</i> , 34, 1472 (2025). https://doi.org/10.30919/es1472 .	2025
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