YAHIA DALBAH

PhD student at the MultiX Lab, University of Amsterdam. I work on multidisciplinary projects tailored for public health and citizens' wellness.

+31 64 1908369

y.i.r.dalbah@uva.nl

My Website (LinkedIn, Github, Scholar)

EDUCATION

PhD Candidate | *Informatics Institute*   Jul. 2024 – Present
University of Amsterdam   Amsterdam, Netherlands
Focusing on representation learning, information retrieval, and extracting feedback signals from noisy multi-modal data in the context of large scale crowd sourced data and citizen science projects.

Master of Science in Computer Vision   Aug. 2021 – May 2023
MBZUAI   Abu Dhabi, UAE
Research based master's degree, with a focus on augmenting object detection & recognition with multi-modal data.

Bachelor of Science in Electrical Engineering   Aug. 2017 – May 2021
American University of Sharjah   Sharjah, UAE

WORK EXPERIENCE

Multi-modal Data Specialist - Contractor   Oct. 2023 – Feb. 2024
SAAB   Abu Dhabi, UAE
- Completed a five-month contract to design, implement, test, and deploy AI methods as a proof of concept for an upcoming ship detection and tracking product release.
- Developed a real-time model using satellite imagery to detect, classify, and track ships, vehicles, and other objects of interest with high confidence.
- The product was presented and pitched to national defense clients, with further investment to continue developing the product until 2027.

R&D Engineer   May 2022 – Sep. 2023
FortyGuard   Abu Dhabi, UAE
- Develop GIS AI applications for estimating, interpolating, and generating weather forecasts and UHI.
- Led the scientific development of the Temperature Dashboard, main product of FortyGuard, which provides automated, reliable, and data-driven insights and recommendations through proprietary machine learning and computer vision pipelines.

PUBLICATIONS & PROJECTS

Veli: Low-Cost Air Quality Sensor Correction   AAAI 2026
University of Amsterdam

Computer readable medium for real-time multi-view radar semantic segmentation   USPTO Patent
MBZUAI

Transradar: Multi-View Radar Semantic Segmentation   WACV 2024
MBZUAI

RadarFormer: Real-Time Radar Object Detection Model | *Python*   SCIA2023
MBZUAI