

Dr. Ibraheem Al-Dhamari

AI, Computer Vision, and Medical Informatics Expert

Seeking an academic or a consultant position

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Koblenz, Germany

Experience

5/2024 - 3/2026 — **Project leader,** AI and Data Privacy, RGSE, IST, Koblenz, Germany

11/2021 - 12/2023 — **Postdoc,** Medical Informatics, BIH@Charite, Berlin, Germany

2/2017 - 1/2021 — **Project leader,** VisSim, Koblenz University, Koblenz, Germany

4/2015 - 2/2017 — **Project leader,** AGAS, Koblenz University, Koblenz, Germany

4/2014 - 3/2015 — **Scientific researcher,** AGAS, Koblenz University, Koblenz, Germany

10/2010 - 4/2012 — **Computer Science Lecturer,** Computer Science Dept., Yemeni University, Sana'a, Yemen

2/2006 - 7/2007 — **IT technician,** Asos telecommunications, Sana'a, Yemen

Languages

German: B1 level
English: Fluent
Arabic: Native
French: Beginner
Japanese: Beginner

Education

23/2/2018 - 14/9/2021
PhD Computer Science,
Cumme laude,
Koblenz University
Koblenz, Germany

1/9/2007 - 25/8/2010
M.Sc Computer Science,
Excellent 3.93/4.00,
University of Jordan,
Amman, Jordan

14/2/2002 - 16/1/2006
B.Sc Computer Science,
V.good 88.16%
Saba University,
Sana'a, Yemen

Different short courses in:
Business administration, Accounting, Economic, and GIS.

Awards

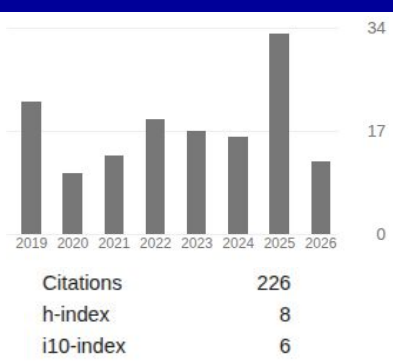
2012 DAAD scholarship, PhD

2010 Honor certificate for excellent students, Yemeni embassy.

2008 DAAD scholarship, short research

2007 DAAD scholarship, M.Sc

Citations



Citations	226
h-index	8
i10-index	6

Skills

Leadership

- Upholding the highest standards of ethical behavior and decision-making. Taking responsibility for the outcomes of the project, research and the well-being of the team.
- Crafting long-term plans and setting achievable goals. Assigning tasks based on individuals' strengths.
- Encouraging team members to strive for excellence and innovation. Encouraging and supporting team members to foster a positive working environment.
- Fostering a diverse and inclusive research environment. Communicating and collaborating effectively with individuals from diverse backgrounds.
- Empathizing with team members' perspectives and experiences. Mediating disagreements and finding a middle ground.

Communication Skills

Ability to convey complex ideas in an understandable manner. Being receptive to team members' inputs and feedback. Fostering relationships with other researchers and groups.

Problem-Solving

Finding innovative solutions to complex problems. Analyzing data and trends to inform decisions.

Flexibility

- Working on different countries, environments, and systems.
- Willing and able to travel as needed for work.
- Willing to pivot based on new data or findings.
- Staying motivated and maintaining morale even when faced with setbacks.

Technical Skills

- Programming Languages: C++, Python, Java, Fortran, and Matlab.
- Medical Image Tools: OpenCV, ITK, VTK, elastix, 3D Slicer, MITK, and ImageJ.
- Biomechanic Tools: OpenSim and Simpack.
- Deep Learning Tools: TensorFlow and Pytorch.
- Networking and Virtualization: Nginx and Proxmox.
- Web Development Tools: Full-stack web development (frontend and backend) using HTML, CSS, JavaScript, Vue, Spring-boot, keycloak, PostgreSQL, and MongoDB.

Hobbies

- Sport and outdoor activities e.g. hiking, cycling, table tennis, and swimming.
- Board games e.g. chess.
- Reading, writing, and painting.
- Cooking, watching movies and documentaries.
- Travelling and exploring new cultures.

Selected Publications

- Al-Dhamari et al, Automatic Cochlea Multimodal 3D Image Segmentation And Analysis Using Atlas-model-based Method. Cochlea Implant International Journal, 2023, 1-13. DOI: 10.1080/14670100.2023.2274199.
- Al-Dhamari et al, Automatic intra-subject registration and fusion of multimodal cochlea 3D clinical images. 2022, PLOS ONE, 17(3).
- Al-Dhamari et al, Automatic detection of cervical spine ligaments origin and insertion points, ISBI 2019, Italy.
- Al-Dhamari et al, Automatic Cochlear Length and Volume Size Estimation, MICCAI 2018, Spain.
- Al-Dhamari et al, ACIR: automatic cochlea image registration. SPIE2017, USA.
- Al-Dhamari et al, Automatic Multimodal Registration and Fusion of 3D Human Cochlea Images CI2014, Canada.