

Ra'fat Sami Amarneh

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Summary

A highly experienced and dedicated academic professional with a Master's degree in Computer Science. Currently serving as a Lecturer and Head of the Computer Science Department at the Arab American University, bringing 20 years of leadership and a proven track record in teaching diverse computer science courses. enhancing student educational experiences and impacting the academic through research, thoughtful curriculum design, the development of learning resources, and the direct oversight of student initiatives.

Work Experience

Head of Computer Science Department | Arab American University, Jenin, Palestine
October 2018 – Present.

As department head, I provide strategic leadership for all academic, administrative, and operational functions. My responsibilities as a key member of the Faculty of Information Technology leadership include:

- Led the Computer Science Department for 7 years, overseeing curriculum development, faculty coordination, and departmental strategic planning.
- Managed departmental resources and initiatives to enhance educational quality and student outcomes.
- Contributed significantly to the overall growth and academic standing of the Faculty of Information Technology.

Member of Faculty Council | Arab American University, Jenin, Palestine **October 2018 – Present.**

- Actively participated as a member of the Faculty Council for 7 years, contributing to strategic academic decisions and policy development.
- Collaborated with faculty members on key initiatives to improve educational standards and institutional governance.

**Lecturer, Computer Science Department | Arab American University, Jenin, Palestine
April 2004 – Present**

- Design and deliver comprehensive lectures and practical sessions for a variety of computer science courses, including Programming Fundamentals (C++, Java, PHP), Data Structures & Algorithms, Database Management Systems, and Object-Oriented Programming.
- Develop core instructional materials and assessments to facilitate student understanding and skill development.
- Mentor and advise students and provide academic guidance, contributing to their success in complex technical subjects.

Teaching Assistant | Arab American University, Jenin, Palestine October 2001 – April 2004 (3 Years)

- Provided academic support to students in computer science courses, assisting with labs, assignments, and tutorials.
- Assisted professors with grading, course preparation, and classroom management.
- Facilitated student learning and comprehension of complex computer science concepts.

Teaching Assistant | Al-Quds University, Abu Dies, Palestine February 1999 – October 2001 (2 Years)

- Supported faculty and students in computer science courses, including laboratory sessions and problem-solving.
- Assisted in preparing and delivering educational content, enhancing the learning experience for undergraduates.
- Contributed to a supportive academic environment by offering guidance and clarification on course material.

Education

Master of Science in Computer Science | Al-Quds University - Abu Dies, Jerusalem, Palestine April 18, 2004

Bachelor of Science in Computer Science | Al-Quds University - Abu Dies, Jerusalem, Palestine September 01, 1999

Professional Development & Certifications

Certificate in Java Programming | Arab American University, Palestine

Certificate in Web Design | Web Design, (Alquuds University), Abu Dies

Certificate in Oracle (SQL and Oracle), (Alquuds University), Abu Dies

Skills

Technical Skills:

- **Programming Languages:** C++, Java, Visual Basic, Python.
- **Databases:** Oracle, SQL and MySQL.
- **Software & Tools:** Microsoft Office software & the Internet.
- **Concepts:** Data Structures, Algorithms, Database Management, Operating Systems, Networking, Software Development Life Cycle, Educational Technology, Curriculum Development.

Soft Skills: Leadership, Communication, Problem-solving, Mentorship, Public Speaking, Curriculum Design, Teamwork, Time Management, Adaptability, Research, Academic Writing.

Languages: Arabic (Native), English (Fluent)

Projects & Publications

Publications:

- Hodrob, R., & Amarneh, R. (2013). *Semi-Automatic Assistance System for Heart Diseases Detection*. Journal of Emerging Trends in Computing and Information Sciences, 4(9).
- Amarneh, R., RATTROUT, A., BADIR, H., & FISSOUNE, R. (2014). *Improvement of Decision Making of Intelligent Products using Multi-Agent System*. INTIS2014.

Supervised Graduation Projects: Tu'oria - Driving License Test, Advertisements Portal...

Awards & Achievements

- **Authored comprehensive instructional books:** "Introduction to Computers" and "Computer Skills," designed to provide foundational knowledge and practical expertise for students. These resources are utilized to enhance learning outcomes and serve as key reference materials in relevant courses.

Workshops Attended

- Ethics of Scientific Research.
- Undergraduate Research: Looking at Our Own Experience.
- Challenges, Strategies, and Tools for Research Scientists.
- New Trends in Teaching-Constructivism.
- How to write the desired learning outcomes.

Referees available upon request.