RAED ALAWFI

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About

Computer engineer with a master's degree in Machine Learning, Artificial intelligence, and Data Analysis. Eager to take new challenges, and always ready for new adventures.

AREAS OF EXPERTISE

Software Engineering

Machine Learning

Neural Networks

Data Analysis

Operations Management

Stakeholder Communication

Embedded Software

Project Management

Team Leadership

Process Development

TECHNICAL SKILLS

Platforms

Windows, Linux OS, Mac OS, Unix

Tools

Java, Assembly, C++, C, VHDL, Python, PLC, Control Systems, Altera Quartus II, AutoCAD, PSoC Creator, MATLAB/ModelSim, Eclipse, PSpice

HONORS & AWARDS

- Honor's List Winter Qtr, 2014
- Dean's list, 7 Quarters
- IEEE *Larry Hause Student Poster Competition,* Second Place Award
- *Who's Who Among Students in American Universities and Colleges*

EDUCATION

M.S., Electrical and Computer Engineering   2019
University of Wisconsin-Milwaukee, Milwaukee, WI   GPA 3.73/4.00

B.S., Computer Engineering   2017
Milwaukee School of Engineering, Milwaukee, WI   GPA 3.52/4.00

PROJECT HIGHLIGHTS

- **M-Vision, Bachelor's Senior Design Project**: Designed and developed embedded system for motorcycle helmet, enabling relay of information to driver; communicated data includes directions and blind spot warnings while minimizing driver distractions.

- **Handwritten Digits Recognition, Master's Project**: Built neural network algorithm utilizing Multi-Layer Perceptron (MLP) to detect handwritten digits from MNIST dataset; utilized Python for implementation.

PROFESSIONAL EXPERIENCE

Senior Business & Product Developer   February 2022 – Present
Knowledge Developers, Riyadh, Saudi Arabia

Lecturer/Acting Head of department   August 2020 – January 2022
University of Business and Technology, Jeddah, Saudi Arabia

Technical Engineer   Oct 2019 – July 2020
Alamjaad Trading & Construction Company, Jeddah, Saudi Arabia

Research Assistant   Aug 2017 - May 2019
University of Wisconsin-Milwaukee, Milwaukee, WI

Tutor   Jan 2017 – May 2017
Milwaukee School of Engineering, Milwaukee, WI

Teacher Assistant   Jan 2014 – May 2014
Rochester Institute of Technology, Rochester, NY

Additional Experience
Office Assistant • Milwaukee School of Engineering
Maintenance Technician • Saudi Electricity Company