

Radwan Al-Shawesh

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City of Sana'a, Yemen

SUMMARY

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A passionate computer science enthusiast with a strong foundation in mathematics, computer science, software engineering, and artificial intelligence. Driven by curiosity and a strong passion for research, I am constantly exploring new ways to innovate and push the boundaries of what technology can achieve. If you're looking for someone who gets excited about breakthroughs in computer science, embracing new challenges, and turning coffee into code, then we're on the same page!

PERSONAL INFO

Name	Redhwan Abdullah Thabit Al-Shawesh	Passport No.	12637074
Nationality	Yemeni	Place of Issue	Yemen, Marib
Gender	Male	Date of Issue	2023/08/05
Date of Birth	12 October 1992	Date of Expiry	05/08/2029
Marital Status	Married	Place of Birth	Yemen, Sana'a
Languages	English, Arabic, Chinese	Profession	Lecturer

EDUCATION

- **East China Normal University** [🌐](#) Sep. 2018 - July 2021
M.S.E Software Engineering Shanghai, China
 - **Specialization:** Artificial Intelligence, Deep learning, Medical Big Data, and Computer Vision.
 - **MSc Thesis:** Histopathological Colorectal Cancer Image Classification based on Convolutional Neural Network
 - **Supervisor:** Prof. Chen YiXiang
 - **GPA:** 4.21/5.00
 - **Awards:** Shanghai Government Scholarship Type A
 - **Relevant Coursework:** Computer Architecture, Algorithm Design and Complexity Analysis, Fundamentals of Artificial Intelligence, Data Visualization, Theoretical Foundation of Software, Software/Hardware Co-Design, Machine learning, Large-Scale Nonlinear Programming, Advanced Design Methodologies for Smart Systems, Seminar on Embedded Systems.
- **South East University** [🌐](#) Sep. 2016 - July 2018
MTCSOL Master of Teaching Chinese to Speakers of Other Languages Nanjing, China
 - **MSc Thesis:** An Experimental Analysis of Pronunciation Errors in Chinese Initial Consonants by Yemeni Students
 - **Supervisor:** Prof. Zhang TianLai
 - **GPA:** 4.50/5.00
 - **Awards:** CSC Scholarship Type A
- **Nanjing University of Aeronautics & Astronautics** [🌐](#) Sep. 2012 - July 2016
B.Eng Aeronautical Engineering Nanjing, China
 - **Specialization:** Aircraft Control and Information Engineering
 - **GPA:** 3.10/5.00
 - **Awards:** CSC Scholarship Type A, Top 100 Outstanding Young Students
 - **Relevant Coursework:** Linear Algebra, Algebra & Trigonometry, Introduction to Computer Science, Computer Programming, Calculus 1,2 & 3, Electrical Engineering & Electronic Technique 1 & 2, Physics 1 & 2, Information Retrieval & Utilization, Numerical Analysis, Discreet Mathmatics, Mathematical Equations, Software Engineering.
- **Tongji University** [🌐](#) Sep. 2011 - July 2012
Preparatory Certificate in Science and Engineering Shanghai, China
 - **Supervisor:** Prof. Li Ting
 - **GPA:** 4.8/5.0
 - **Awards:** CSC Scholarship Type A, Outstanding Academic Achievement Award, Excellent Attendance Award, and Active Participation in Various Activities Award.
 - **Relevant Coursework:** Computer Science, Mathmatics, Physics, Scientific Chinese, Chemistry.

EXPERIENCE

Full-Time Work

- Foshan Safe Freight CO.,LTD | Safe CareMed [🌐]

Software Engineer

July 2021 - June 2023
Foshan, China

- Customized and developed full ERPNext modules using Python and Frappe Bench, optimizing internal workflows and automating key business processes, boosting workflow efficiency by 50%.
 - Maintained Linux servers with 99.9% uptime and strengthened security.
 - Built responsive UIs with JavaScript, jQuery, HTML, and Bootstrap 5, improving usability by 25%.
 - Developed and managed multiple WordPress sites, creating custom themes and plugins to enhance functionality and improve SEO ranking.
 - Collaborated with the marketing team to enhance visibility, refine strategies, and actively contributed to social media marketing efforts.
 - Designed visuals and video edits using Photoshop, Illustrator, and Adobe Premiere for websites, applications, and social media campaigns, enhancing brand visibility and user engagement.

Part-Time Work

- University of Science & Technology [🌐]

Lecturer

June 2024 - Present
Sana'a, Yemen

- Developed and delivered engaging lectures in *Software Engineering, Data Structures & Algorithms, Introduction to computer science, and Computer Organization* enhancing student understanding and performance.

Freelance & Contract Work

- Unicom Group [🌐]

Full Stack Developer (Contract)

June 2023 - July 2023
Sana'a, Yemen

- Developed, customized, and maintained web-based applications for business solutions.
- Trading Company [🌐]

Full Stack Developer (Contract)

August 2022 - Sep. 2022
Jedah, Saudi Arabia

- Developed and launched the website for DadaoTool as part of a short-term contract, delivering a functional and responsive site within the timeframe.

PROJECTS

- Deep learning: [Histopathological Image Classification by Using CNN]

Tools: [Python, TensorFlow, Keras, ResNet-50, Transfer Learning, Fine-Tuning, Macenko Method]

Sep. 2020 - March 2021 [🔗]

- Adapted the ResNet-50 model to classify histopathological colorectal cancer (CRC) images.
 - Utilized transfer learning and fine-tuning techniques to achieve state-of-the-art validation accuracy of 97.7%.
 - Preprocessed the datasets by applying color normalization with the Macenko method to enhance consistency.
- AI Pathologist: [Image Classification Python Applicaion for Lab Doctors]

Tools: [Python, Qt for Python]

March 2021 - April 2021 [🔗]

- Developed a software program to utilize my own CNN network.
 - Designed the software to operate efficiently on both CPU and GPU, without requiring high-end hardware or third-party software dependencies.
 - Optimized the user interface for simplicity, allowing pathologists and lab doctors to upload, classify, and analyze images efficiently.

PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, R=PREPRINT, S=IN SUBMISSION, T=THESIS

- [C.1]

Your Name, et al. (Year). **Title of Conference Paper.** In *Name of Conference Proceedings*, pp. XX-XX. Publisher. Date, Location. DOI: XX.XXXX/XXXXXXX.XXXX.XXXXXXX
- [S.1]

Your Name, et al. (Year). **Title of Submitted Paper.** Manuscript submitted for publication in *Journal Name*.
- [P.1]






Inventor 1, Your Name, Inventor 3, et al. (Year). **Title of Patent.** Patent Office, Patent No. XXXXXXXXX. Registration Date: Date, Grant Date: Date, Publication Date: Date.
- [J.1]

Author 1, Your Name, Author 3, et al. (Year). **Title of Journal Article.** *Journal Name*, Vol. XX, Issue X, pp. XXX-XXX. DOI: XX.XXXX/XXXXX.XXXX.XXXXXXX


SKILLS

- **Programming Languages:** Language 1, Language 2, Language 3, Language 4, Language 5
- **Web Technologies:** Technology 1, Technology 2, Technology 3, Technology 4, Technology 5
- **Database Systems:** Database 1, Database 2, Database 3
- **Data Science & Machine Learning:** Tool 1, Tool 2, Tool 3, Tool 4, Tool 5, Tool 6
- **Cloud Technologies:** Cloud Platform 1, Cloud Platform 2, Cloud Platform 3
- **DevOps & Version Control:** Tool 1, Tool 2, Tool 3, Tool 4, Tool 5
- **Specialized Area:** Skill 1, Skill 2, Skill 3, Skill 4
- **Mathematical & Statistical Tools:** Tool 1, Tool 2, Tool 3, Tool 4, Tool 5
- **Other Tools & Technologies:** Tool 1, Tool 2, Tool 3, Tool 4, Tool 5
- **Research Skills:** Skill 1, Skill 2, Skill 3, Skill 4, Skill 5, Skill 6

HONORS AND AWARDS

- **Shanghai Government Scholarship Type A** Sep. 2018
East China Normal University 
 - Awarded this scholarship to pursue a Master’s degree in Software Engineering.
 - Successfully completed a three year master degree at ECNU.
- **China Government Scholarship Type A** Sep. 2011
Embassy of China in Yemen 
 - Awarded this scholarship to pursue a bachelor degree.
 - Successfully completed a one-year preparatory course at Tongji University.
 - Successfully completed a four-year bachelor’s degree at NUAA.
- **China Government Scholarship Type A** Sep. 2016
Embassy of China in Yemen 
 - Awarded this scholarship to pursue a Master’s degree in Chinese Language.
 - Successfully completed a three-year master degree at SEU.
- **Top 100 Students Award** Sep. 2015
Nanjing University of Aeronautical & Astronautical Engineering 
 - This award was given for excellence in academic performance, recognizing me as one of the top 100 students in the university during the 2015-2016 academic year.
- **Certificate of Honor** June 2012
Tongji University 
 - Won the Outstanding Academic Achievement Award, Excellent Attendance Award, and Active Participation in Various Activities Award.

VOLUNTEER EXPERIENCE

- **Volunteer Teaching** June 2015 - July 2015
Gansu Province - Baiying city - Hegan Junior High School 
 - Taught science in English to junior high school students during a 15-day volunteer teaching and cultural exchange program.
 - Promoted cross-cultural understanding and improved students’ English communication skills through interactive science lessons.
 - Recognized as an NUAA Advanced Individual of Summer Social Practice for contributions to education and community development.

ADDITIONAL INFORMATION

Languages:

- **Arabic:** Native speaker.
- **English:** Fluent in reading, writing, and listening, with average speaking skills. Completed a bachelor’s program taught in English and published academic papers in English. My primary, middle, and high school education was primarily in English.
- **Chinese:** Passed HSK Level 6, the highest language proficiency certification in Chinese.

Research Interests:

- Artificial Intelligence (AI) and its applications in healthcare, robotics, and automation
- Machine Learning (ML), Deep Learning (DL), and Reinforcement Learning (RL) techniques
- Convolutional Neural Networks (CNNs) and Computer Vision for image recognition and processing
- Natural Language Processing (NLP) and its impact on language models and chatbots
- Algorithm design, optimization, and computational complexity
- Autonomous systems, robotics, and intelligent agents

REFERENCES

1. **Professor Chen YiXiang (陈仪香) [🌐]**
Professor, College of Software Engineering
East China Normal University
Email: yxchen@sei.ecnu.edu.cn
Phone: +86-186-2181-5769
Relationship: Master's Degree Academic Advisor
2. **Prof. (Dr) Wang Wei Ying [🌐]**
Professor, Department of Engineering
Nanjing University of Aeronautical & Astronautical Engineering
Email: meewywang@nuaa.edu.cn
Phone: +86-138-5151-4220
Relationship: Head Supervisor during a Design Project
3. **Prof. (Dr) Qian Yan (钱焱) [🌐]**
Professor, Department of Business Administration
Nanjing University of Aeronautical & Astronautical Engineering
Phone: +86-25-8489-6220
Relationship: Instructor
4. **Dr. Li Ting (李挺) [🌐]**
Head Teacher, Department of International Cultural Exchange
Tongji University
Email: liting0811@126.com
Phone: +86-138-1838-5961
Relationship: Head teacher