

Long Qin

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GitHub: <https://github.com/LongQin0121>

PROFILE

- Experienced air traffic controller with a trouble-free career
- Strong interest in applying Information Technologies into Digital Transformation
- Highly motivated and quick learner with a passion for challenges and problem-solving

EDUCATION

Master of Information Technology

February 2023 - November 2024

University of Western Australia

Course GPA: 6.625/7 | Weighted Average Mark (WAM): 81.5

Bachelor of Transportation

September 2007 – July 2011

Civil Aviation University of China

Weighted Average Mark (WAM): 76.27

EMPLOYMENT

Air Traffic Management Bureau of CAAC - Shanghai, China

July 2011 - December 2022

Air Traffic Controller / On-the-job Instructor / Refresher Training Instructor

- Provided well-organized, time-efficient, safe air traffic flow
- Engaged in a series of digital optimization projects (including simulation and assessment)

University of Western Australia

Teaching Assistant / Lab Facilitator

- Collaborating with professors and other assistants to ensure smooth execution of course objectives
- Conducting lab tutorial

SKILL

- Programming: C, Java, Python, HTML, CSS, JavaScript, Flask, MySQL

- Data Analysis and Visualization: Jupyter Notebook, Pandas, Scikit-Learn, R
- Conducting research on Machine Learning under the supervision of professors
- Data Structure and Algorithms: Solved 200 problems on LeetCode

PROJECTS

ATM Digitalization:

- Nanjing Arrival/Departure flow separation
- Beijing and Shanghai AIDC communication handover

Programming:

- [Simulation of CPU Process Scheduling](#) (using C)
- [Directory Synchronization Utility](#) (using C)
- [Parallel Computing Optimization of the Fish School Behavior](#)

REFEREES

Dr. Zhi Zhang

Lecturer at the University of Western Australia

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