RESUME

JIAYANG SHANG(Dylan)

PERSONAL DETAILS

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EDUCATION

University of New South Wales, Australia   **Feb 2023 – Sep 2024**

- Master of information technology WAM: 80.75/100
- Core Courses: Principles of Programming (DN), Data Structures & Algorithms (HD), Database Systems (HD), Artificial Intelligence (DN), Computer Networks & Applications (HD)

Jiangsu University of Technology, China   **Sep 2018 – Jun 2022**

- Bachelor of Internet of things
- Core Courses: Digital & Analog circuits, Mobile application development, Short-distance wireless technology, Embedded software development, Microprocessor Application etc.

EMPLOYMENT & INTERNSHIP

2021.12 - 2022.06   Changzhou Youzhi Automation Co., LTD, China   Algorithm and software Engineer

- Developing industrial vision software with C++
- Implementing and optimizing the vision algorithms and improving the interactivity of software

PROJECT EXPERIENCE

Project: Campus Guide Program   Jul 2018 - Present

- Built a WeChat program which provide campus guide include encyclopedia, news, personal class schedule, learning materials for all staff and students
- Implemented API design with Thinkphp framework and completed page design with Javascript+HTML+CSS
- The program has been maintained since 2018, and the number of users is over 10,000

Project: Industrial vision processing Program   Dec 2021 – Jun 2022

- Developed a machine vision software named AIV, which was used in industrial product quality testing
- Using (C++) OpenCV library to accomplish 2D/3D functions including template matching, line/circle/plane finding, etc.
- Implemented step by step execution, scripting, debugging, 2D/3D effect preview as well

RESEARCH EXPERIENCE

2024.2 - 2024.09   High-performance In-browser Graph Analysis using WASM   University of New South Wales

AWARDS & ACHIEVEMENTS

"iGeek Home" WeChat Applet Contest: Third award   Oct 2019

"Bule Bridge Cup" Algorithm Contest: Second prize of province   April 2021

SKILLS

Programming Language: JavaScript, HTML, PHP, Python, C, C++
Platforms: Docker, Git, Node.js, QT