

Jimmy Yuan

Software and Automation Engineer

Multi-talented engineer with 11 years of experience in Information Technology and Manufacturing industry. Currently looking for an opportunity to apply and further improve professional engineering skills.

Work History

Software Test Engineer

Dematic

2019-11-11 – Current

24 Narabang Way, Belrose NSW 2085 Australia

- Setup test environment with automated scenarios for complex software and electronics WCS (Warehouse Control System) to find issues prior to deployment which reduces commissioning time on site for the software team by at least 50%
- Collaborate with Project Team to deploy, configure, commission and improve end-to-end software and electronics WCS solution
- Develop and maintain various PLC and operator emulators, allowing volume tests done in house which would otherwise have operation cost upwards of \$20,000 per day
- Maintain and improve TeamCity CI/CD pipeline

Automation Engineer

Tetra Pak Oceania

2016-11-28 – 2019-11-01

5 Burwood Rd, Hawthorn VIC 3122 Australia

- Developed, implemented, tested, and delivered complex automation and electrical system for end-to-end factory processing lines mainly in the dairy industry using RSLogix PLC and Wonderware
- Managed various software, electrical and mechanical contractors to build effective and robust automated production systems
- Delivered a large cheese factory upgrade project worth over \$60M as automation lead, managing a team of 5 system engineers
- Assisted clients during commissioning to improve various areas of the site such as reducing water consumption in the CIP system by 15% and increasing product throughput in the conveyor system by 10% by fine tuning and refining automation systems

Personal Info

Phone

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E-mail

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Technical Skills

Test Automation

- Selenium
- CI / CD
- Emulator Design
- Agile Testing
- TestRail
- Jira

Computer Science

- Python Proficiency
- Ruby Proficiency
- Java Proficiency
- MSSQL
- Advanced Microsoft Excel Functions

System Engineering

- Automation Design
- SCADA Design
- Network Design
- Allen-Bradley PLC
- Wonderware InTouch
- VMWare Proficiency

QA Engineer

Verizon Connect

2012-11-7 – 2016-11-18

104 Victoria St, Christchurch City 8013 NZ

- Responsible for maintaining quality of a Fleet Management Platform integrating various software modules and electronic hardware components installed on the trucks
- Maintained and applied agile testing models to each of our release cycles to discover and fix bugs early in the development
- Developed backend automated tests for a RestAPI server using Python, and frontend automated tests for Android and iOS Apps using Appium and Monkeyrunner, which reduced time spent on manual regression test by 75%

Education

Bachelor of Engineering (HONS): Electrical & Electronic Engineering

University of Canterbury – Christchurch, New Zealand

2009- 2012

- Majored in communication - familiar with most networking principles and telecommunication systems
- Shared classes and collaborated many projects with Computer Science department, including developing a Quidditch Game using Java, and building a cruise control system on a microchip programmed in C

Interests

Go (Board Game) - Three times National Champion in New Zealand

Video Game Modification and Design

Personal Server Setup and Management

Soft Skills

Project management

Problem solving

Communication

Teamwork

Quick to Adapt

Continuous Improvement

Readiness to Learn

Test implementation

Documentation skills