MARK TEOH

SOFTWARE ENGINEER

CONTACT

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EDUCATION

Bachelor of Engineering (Software Engineering)

University of Queensland
2019-2024

Honours Thesis:
- Evaluation of the usability of virtual reality in a Supermarket setting for practicing Activities of daily living

Notable Courses:
- COMP3400 (Functional Programming)
- CSSE2310 (Computer Systems Principles and Programming)
- CSSE4630 (Principles of Programming Analysis)
- COMP3702 (Artificial Inteligence)

SKILLS

Technical

Langauges: C#, Java, C, Python, React.Js, HTML, CSS, SQL

Testing Toolsets: Selenium, Playwright, Postman, Specflow

Test Management: Jenkins, Azure DevOps, Jira

Version Control: Git, Subversion, Github, Gitlab, Gitea, Bonobo Git

Other

UX Design

Communication

Bilingual: Chinese (Mandarin)

Teamwork

CERTIFICATION

AccessHQ Automation & DevOps Code Camp (2021)

Level 1 Diving Queensland Coach

Blue Card (Working with Children Check)

First Aid Certificate

PROFILE

As a software engineer with over two years of hands-on experience in test automation, leveraging a strong foundation in object-oriented programming languages, including C# and Java, to develop scalable automation frameworks using tools like Selenium and Playwright. Actively seeking collaborative opportunities, valuing teamwork as an essential element in not only developing high-quality solutions but also essential for innovation.

PROFESSIONAL EXPERIENCE

Automation Engineer

NCS/AccessHQ   Oct 2021- Feb 2024

- Developed robust automation frameworks and crafted automated test cases, leveraging expertise in collaboration with team members and clients to ensure alignment with testing requirements and project objectives.
- Notable projects included:
  - University of Queensland's UQ Engage: Developed automated test cases using UFT One, reducing manual execution by 40%, and established automation infrastructure including CI/CD and Git management.
  - Brisbane Catholic Education's Finance to the Cloud: Utilised Selenium .NET (C#) for automated testing, resulting in an 85% reduction in manual execution, and configured Azure DevOps Pipelines for CI/CD workflow maintenance.
  - Uniting Care QLD's Bumblebee Project: Developed a Playwright .NET automation framework for Salesforce CRM and Alayacare, automating smoke tests for System Integration Testing (SIT).

Lead Programming Instructor

Junior Engineers   Nov 2019 - Sep 2021

- Conduct multiple programming classes of 5-25 students independently or in collaboration with other instructors during the school term and in intensive holiday programs
- The responsibilities of this role include:
  - Planning and delivering complex programming concepts in an understandable and engaging manner
  - Behavioural management and conflict resolution
  - Ensuring the safety and wellbeing of the students.

PROJECTS

Supermarket VR and Web Interface   July 2023- June 2024

- This is a research project done in collaboration with the RECOVER Injury Centre at UQ, looking at the usability of VR to recreate real life environments as part of the rehabilitation process for patients.
- Supermarket VR environment is built in Unity Game Engine and is developed for the Meta Quest 2. This project is an extension of an existing environment, where I have implemented the following features, Player and Trolley teleportation navigation logic, Start and Pause menus, rule enforcement feedback, an additional difficulty level, and a integration with a web interface
- Web Interface is a Vite Project with React.Js and utilises WebSockets to connect the Unity Project and the Web Interface. This was hosted by a Digital Ocean Droplet and deployed using Nginx.

OTHER

Diving Coach

Rackley Diving Club & Diving QLD   Jan 2024 - Current

- Coach multiple diving hourly sessions classes of 1-10 students. This involves planning sessions, analysing each students dives and providing feedback in an effective and enjoyable manner. Another crucial component is communicating with parents about the progress of each student.
- Collaborating with the other coach within the club to help progress the students
- Organising and planning holiday program, in coordination multiple organisation (Centenary Pool and Diving QLD), to assist with the skill development of the student.
- As Rackley Diving Club is recently established club, this role also involves helping develop the structure of the club, due to my experience within the sport.
- As a coach with Diving QLD, includes responsibilities such as assisting with the Brisbane City Council Chill Out program and engaging in discussions with coaches from across the state during meetings.

REFERENCES

Peter Davies

Principal Enterprise Service Management Architect at Aurizon
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DR Nell Baghaei

Senior Lecturer - Human Centred Computing in School of Electrical Engineering and Computer Science at University of Queensland
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