Victor Ngo

+61 481994099 | tminhngvt1998@gmail.com | Linkedin | Github

EDUCATION

University of Queensland	Brisbane, QLD
Bachelor of Information Technology	*Feb. 2018 – Dec. 2020*

EXPERIENCE

Instructor — May 2019 – Sep 2019
Junior Engineers — *Newmarket, QLD*
- Taught programming to children from elementary school and high school
- Prepared teaching materials for the school term and holiday programs
- Managed classrooms of 10-20 students, and assisted other instructor

R&D Software and Firmware Engineer — Sep 2021 – Now
Agilent Technologies | C#, WPF, .Net, Angular.js, Typescript — *Melbourne, Australia*

LDIR8700 — *Sep 2021 - Sep 2024*
Particle imaging and identifying instrument using infrared laser
- Expanded the functionality and maintained the quality for the companion software with the instrument
- Implemented a different scan method to match a new type of sample holder
- Improved various component of the software, including UI, database and image processing
- Compensate for short-commings in hardware and internal components by adapting the software

CARY3500 — *OCT 2024 - Now*
Chemical analysis instrument using UV-Vis laser
- Made additions to a companion software with the instrument and fixed defects in the software
- Developed custom Angular components to improve the software reporting ability
- Connected Angular components with C# back-end, database and compliance micro-service
- Maintained components of the software and kept the tech stack up-to-date

PROJECTS

Vanquish Galactica | *C#, Unity* — May 2021 – May 2021
- 2D top down shooter game inspired by Alien Invaders in Unity and C#
- Manged and led a team of 3 to implement key gameplay mechanics and UI

Lumen x Ombra | *C#, Unity* — May 2021 – May 2021
- 2D Platforming game built using Unity and C#
- Collaborated with a team of 6 to develop platforming levels, UI and sound system

Questionnaire generator | *JavaScript, JQuery, SMART on FHIR, HTML/CSS* — Aug 2020 – Nov 2020
- Developed an EMR plugin for medical workers and patient to better manage questionnaire
- Implemented questionnaire generator and form appearance from FHIR questionnaire format using JQuery
- Format response data in FHIR format to provide in app feedback and further use
- Received positive feedbacks from CSIRO and UQ School of Medicine

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL, JavaScript, HTML, CSS
Frameworks: WPF, Bootstrap, JQuery, Node.js, Express.js, Angular.js
Unit test frameworks: Selenium, MSTests, Moq, Microsoft Fakes
Developer Tools: Git, Github, Subversion, Docker, VS Code, Visual Studio, IntelliJ, Unity, Trello, Google Colab