# Vinh Nguyen

*Software Engineer*

✉ cathng11@gmail.com   📞 (+61) 411916989   📍 Wollongong, Australia   ⬡ Github   in LinkedIn   ⚑ Portfolio

## EDUCATION

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| 07/2023 – present<br>Wollongong, Australia | **Master of Computer Science**<br>*University of Wollongong* |
| 04/2023 – 06/2023<br>Wollongong, Australia | **English for Tertiary Studies**<br>*UOW College* |
| 09/2018 – 09/2022<br>Da Nang, Vietnam | **Bachelor of Information Technology**<br>*Danang University of Science and Technology* |

## AWARDS

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| 03/2022 | **Certificate of Participation: The Student Scientific Research Conference (2021-2022)**<br>*Danang University of Science and Technology*<br>Topic: Fruit Freshness Detection based on Near-Infrared Spectroscopy using Machine Learning Methods and Partial Least Squares. |
| 12/2022 | **Publication: Designing and Deploying a Microservices-based Food Quality Inspection Platform** 🔗<br>*ISSCEI 2022: An International Symposium Smart City for ASEAN Experiences and Innovations* |

## PROFESSIONAL EXPERIENCE

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| 08/2023 – present | **Upwork Global Inc**<br>*Freelancer*<br>• Collaborated with diverse clients, delivering quick and flexible solutions for various web development projects.<br>• Specialized in frontend technologies, utilizing HTML and CSS to optimize SEO.<br>• Automated the generation of big data-driven content s using Selenium and Python. |
| 08/2022 – 02/2023<br>Da Nang, Vietnam | **Danang International Institute of Technology (DNIIT)**<br>*Software Engineer*<br>• Contributed to the R&D team of the FADOTO 🔗 national project supported by the Vietnamese Ministry of Science and Technology which researched and applied advanced technologies to assess and regulate fish quality in Vietnam.<br>• Developed a multi-platform smartphone app connects to NIR scan nano devices for instant assessment of marine fish, identifying harmful substances.<br>• Designed and developed the frontend of an IDE which is a software enabling users to automatically build and generate customised Machine Learning models with big datasets. |
| 01/2022 – 07/2022<br>Da Nang, Vietnam | **Sioux High Tech Software**<br>*Software Engineer*<br>• Developed an intuitive website for SIOUX, automating employee information and leave day processes for enhanced efficiency.<br>• Applied the MERN (MongoDB, Express, React, Node) stack with Typescript to establish a resilient and scalable foundation for the web application.<br>• Integrated Domain-Driven Design (DDD) principles into the software architecture, fostering a cohesive and well-structured system. |

## PROJECTS

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| 02/2021 – 07/2022 | **Data Acquisition and Analysis System for Near-infrared Spectrum of Food**<br>• Developed an Internet of Things (IoT) system which acquired and analyzed near-infrared spectral data for the further purpose of food quality assessment.<br>• Developed a mobile application that connects with Texas Instruments Nirscan Nano spectroscopy Evaluation Module via Bluetooth Low Energy.<br>• Developed cross-platform (Android and iOS) apps using React Native. |