Peter Tran

5th Year Software Engineering Student at UQ

Highly motivated and optimistic 5th-year Software Engineering student at the University of Queensland with a passion for problem-solving, teamwork, and programming. Actively engaged in social sports such as football and badminton. Committed to continuous learning and skill development, eager to tackle real-world challenges with a positive outlook and inspire others.

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in https://www.linkedin.com/in/peter-k-tran/

☐ 0483885331

○ github.com/peter-tr/peter-tr

WORK EXPERIENCE

Undergraduate Software Engineer
Boeing Australia   (11/2021 – Present)
- Contributed to the development of high assurance software application, ensuring adherence to DO-178C.
- Wrote clean, scalable code primarily with Python and C++
- Participated in SAFe Agile Framework and in code reviews and debugging sessions
- Designed, implemented and maintained Continuous Integration and Continuous Deployment (CI/CD) pipelines using tools such as Atlassian
- Developed and managed containerised applications using Docker and used Ansible for configuration management

Undergraduate Software Engineer
Services Australia   1y 9m   (02/2022 – 11/2023)
- Developed on large software codebases that supported various government services such as myGov, Centrelink and Medicare.
- Worked with both relational databases such as PostgreSQL and non-relational databases like MongoDB
- Contributed to server side logic and database integration using languages like Python and PHP

Undergraduate Cyber GAP Program
Australian Defence Force   11m   (01/2022 – 12/2022)
- Enrolled in the Australian Defence Force Cyber GAP Program
- Conducted thorough analysis of cyber security threats and vulnerabilities
- Prepared detailed reports on security incidents, assessments, and threat intelligence
- Monitored network traffic and system logs for signs of malicious activity using tools such as SIEM systems

Course Tutor
University of Queensland   6m   (02/2021 – 06/2021)
- Facilitated weekly tutorial sessions guiding students through the introductory programming concepts and Python syntax

EDUCATION

[Current 5th Year] Bachelor (Honours) and Master of Engineering - Software
University of Queensland   (02/2020 – expected 11/2024)
- Specialisation in Software Engineering with GPA of 6.33
- Conducting a master's thesis titled "Evaluating Programming Languages for High Assurance Safety-Critical Software in Aviation" in collaboration with Boeing Australia. This research explores the potential of Rust as a replacement or complement to C++ and assesses its viability in terms of certification and safety standards.
- Scholar Program for achieving academically top 5% of cohort
- Awarded Dean's Commendation for Academic Excellence 2020, 2021 and 2022
- High proficiency in Algorithms and Data Structures

Queensland Certificate of Education
Cavendish Road State High School   (01/2015 - 12/2019)

VOLUNTEER EXPERIENCE & OTHER ACTIVITIES

UQ Ventures Validate Program   (06/2022 – 12/2022)
- Worked in a team to develop a 'Central Tutoring Application' business model that aimed to change how tutoring is conducted for both private and university wide application
- Pitched idea to panel of venture capitalists and investors
- Reached finalist rounds

Mentor for Get Set Program at UQ   (01/2021 – 05/2021)
- Host weekly meetings for groups of new students looking for tips & advice on university life
- Organising events for students to help them adapt to studying on campus and facilitate meeting new people

EAIT Leadership and Mentoring Program (07/2020 - 12/2020)
- Learn to motivate, encourage, and empower others to succeed to professional practices
- Achieved 2nd place in 3-day hackathon about ways to improve UQ