Tony Vo

Sydney, NSW | tonyvo.net | https://github.com/TvDragon

About Me

I am a recent graduate from the University of Sydney with a bachelor's degree in Advanced Computing majoring in Software Development. Throughout my academic journey, I avidly pursued opportunities to broaden my knowledge, cultivating a deep-seated passion for innovative problem-solving and acquiring technical and interpersonal skills. I excel at working in team environments, contributing actively to achieving shared goals, and I am eager to collaborate with industry professionals to refine my skills. I would like to contribute my knowledge and skills to a dedicated team or organization, where I can make a meaningful impact and continue my journey of growth and innovation.

I am proficient in maintaining a balanced work-life environment, and I value a logical and disciplined approach to achieving my objectives. Whether in leisure or work, I derive satisfaction from meticulous planning and utilizing my time efficiently. I am active and engage in physical activity while maintaining a healthy lifestyle through exercise. My hobbies and passions include reading, video games, anime, and personal programming projects.

Thank you in advance for considering my interest in applying for this role, and I look forward to hearing back from you.

Education and Achievements

- **2020 - 2024**: Bachelors of Advanced Computing, Majoring in Software Development at the University of Sydney
- **2014 - 2019**: Condell Park High School, Sydney, Australia
- Coding Fest 2023 Amazon Best UG Senior Project Award Runner-Up

Computing and Programming Skills

- Python, C/C++, Java, HTML/CSS/JavaScript (Full stack web development), React, Flutter, MySQL, PostgreSQL, SQLite, Firebase, MongoDB, Node.js, Linux
- Knowledge in Development tools like Git, Bitbucket, Slack, Jira, etc
- Software Skills: Microsoft Word ~ Microsoft Excel ~ Microsoft Outlook ~ Office 365 ~ Google Documents ~ Google Sheets
- Proficient and experienced in Agile Methodologies, principles and tools

Soft Skills and Attributes

- **Team Player**: Collaborative individual who thrives in group settings, values diverse perspectives, and contributes actively to achieving shared goals.
- **Fast Learner**: Quick to grasp new concepts, technologies, and processes, with a proactive approach to acquiring knowledge and adapting to changing environments.

- **Adaptability and Agility**: Demonstrates resilience and flexibility in responding to evolving circumstances, readily adjusting strategies and priorities to meet emerging challenges.
- **Strong Ethical Framework**: Upholds high moral and ethical standards in decision-making, prioritizing honesty, integrity, and fairness in all actions and interactions.
- **Self-motivated:** Driven and proactive in pursuing goals, taking initiative to identify opportunities for growth and improvement, and maintaining a high level of dedication and enthusiasm.

Notable Projects

Day Trading Bot · https://github.com/TvDragon/day-trading-bot   In Progress

- Learning, back-testing and creating a day trading bot for the stock market
- Python, Backtrader, yFinance

Veritas Lock · https://github.com/TvDragon/veritas-lock   Feb. 2025

- Veritas Lock is a local password manager that stores all your passwords for accounts that you use.
- C++, SDL2, ImGui, SQLite

ShockTech Mobiles · https://github.com/TvDragon/shocktech-mobiles   Dec. 2023

- Built an eCommerce web application listing mobile phones for sale.
- Implemented project in a MVVM architecture for clean and organised structure of code
- Implemented security features including password hashing and email activation for user accounts
- Separate level privileges for normal users and admin users.
- React, MongoDB, Express, Node.js

HealthHub   Nov. 2023

- A mobile health app for medication management developed for my thesis.
- Implemented a medicine reminder for medical prescriptions
- Implemented auto-generated medicine reminders via photos taken of prescription using optical character recognition and natural language processing
- Implemented map location of drug stores and local GPs based on location via Google Maps API
- Implemented baby vaccination reminder dates
- Flutter, Express, Node.js

3D Body Visualiser   Nov. 2022

- A mobile application empowering users to interactively explore their physique through an accurate 3D model, incorporating precise body measurements for an authentic representation to track progress with past comparisons, and explore personalised future predictions.

Dinosaur Game · https://github.com/TvDragon/chrome_dinosaur_game   Dec. 2020

- Remade the dinosaur game with a twist that allows the dinosaur to shoot fireballs and the trees to spawn more randomly.
- Python, Pygame

Work Experience

Konami Australia – Graduate Software Engineer
August 2024 – Current

- Develop and maintain slot machine game software, ensuring functionality and performance optimisations.
- Collaborate with game designers and artists to integrate graphics, animations and sound into game mechanics.
- Contribute to technical documentation and version control using Git as a repository management tool.
- Participate in sprint planning and agile methodologies for game development.

Aldi Lidcombe – Store Assistant
March 2022 – May 2023, May 2024 – August 2024

- Providing excellent service to customers.
- Keeping shelves stock with products.
- Expert in stock handling making sure products are in date and looking fresh.
- Keeping the story tidy, organised and looking good.

Tutor
September 2021 – October 2021

- Provided personalised tutoring sessions to reinforce understanding of computer science concepts, data structures and algorithms.
- Offering guidance and support to help student overcome challenges and achieve academic success.
- Reviewed and clarified course materials, lecture notes, and textbooks, ensuring students grasp fundamental principles and practical applications.
- Facilitated interactive learning activities, such as coding exercises, problem-solving sessions, and code reviews, to enhance comprehension and reinforce skills development.

MusicChests – Manager
January 2020 – August 2020

- Collect and analyse viewership across all used media platforms.
- Manage working capital.
- Send out well written weekly emails to subscribers.
- Communicate with team members on direction MusicChests was heading.
- Follow up on employees to see progress and if help is needed.
- Prepare what to talk about during weekly meetings.
- Voice over for youtube videos.
- Uploaded videos and banners across all used media platforms.