Khoi Nguyen, Software Engineer

Sydney, Australia, 0455512511, vngu9798@uni.sydney.edu.au

LINKS

Linkedin, Github, Personal Portfolio

PROFILE

First year student at the University of Sydney. Looking for opportunities to experience hands on work in software engineering work. Proficient in developing in Python and Java, analyzing and visualizing data sets in R and Excel. Passionate about Physics.

EMPLOYMENT HISTORY

Jul 2021 — Oct 2021

Game Development, Freelance
Ho Chi Minh City

Developed from the ground up a mini 2D shooter game with the Game-Maker Studio 2 platform. The game has multiple features such as varying gun spray based on the direction the player is shooting, high-score system and a dynamic enemy spawn system based on the amount of kills the character has in the current round.

Dec 2022 — Jan 2023

Python Developer, Freelance
Sydney

In the process of developing an application that focuses on assisting elderly individuals with keeping track of their personal accounts on the internet. The application features a SMS 2-factor verification with a phone number the user has provided. The program works in tandem with a locally stored SQL database which is encrypted to enhance security. Currently not in active development cause of University.

May 2023 — Present

Simulation Engineer, University of Sydney's Rocketry Team
Sydney

Currently working on a team of 20 other software and aerodynamics engineering undergraduates to conduct research and development on a software called 'Ironbark'. The software can accurately model airflow over the surface of the rocket as well as predict its apogee and trajectory. The aim is to assist the team in validating designs without the need to have physical launches.

May 2023 — Present

Marketing Data Analyst, Sydney Motorsport
Sydney

Track and collect social media insight reports across the team's public platforms. Analyze and produce a report that highlights key strengths and weaknesses in the teams approaches to outreach. Utilize the data in order devise social media strategies.

EDUCATION

Oct 2022 — Jun 2025

Bachelor of Science, Computer Science and Physics, University of Sydney
Sydney

Recipient of Sydney International Student Award - 20% scholarship

Semester 1 WAM: 60%

May 2020 — May 2022

IB Diploma, American International School Vietnam
Ho Chi Minh City

Achieved one of the best marks in IB History Higher Level.

IELTS 8.5

SKILLS

R	Python Programming
Git	Java Programming
SQL / Relational Databases	OOP

LANGUAGES

Vietnamese	Native speaker	French	A1
English	Highly proficient		