

# Brian Vu

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Brian is a curious, diligent and self-motivated individual with strong communication and time management skills. He is a team player who enjoys solving problems both individually and collaboratively. He seeks to further his interest and understanding of computer science, with a particular focus on database systems, and gain valuable practical experience whilst making a positive impact on clients & communities.

## EDUCATION

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*University of New South Wales, Sydney, Australia*

**2021 – 2024**

**Bachelor of Computer Science**

## PROJECTS

- 
- **SEAMS | Python**
    - Implemented the backend of 'SEAMS', a simplified version of Microsoft Teams, using python
    - Worked collaboratively with a team of 5 developers using standard git practices
    - Followed AGILE software development through regular stand-ups, CI/CD, etc
  - **Dungeonmania Game | Java**
    - Refactored and implemented a codebase using OOP principles and design patterns
    - Ensured all continuous integration checks (regression, linting and coverage) along with usability tests for frontend functionality
    - Created a UML diagram to illustrate the relationships between objects and visualise how a project will be working
  - **Social Network Analysis | C**
    - Implemented graph-based data analysis functions such as Dijkstra's Algorithm to mine a given social network
  - **Script Design | Python, PostgreSQL, Psycpg2**
    - Implemented Python scripts to extract and display data from a database
    - Implemented SQL views, Python functions and PLpgSQL functions to support the scripts

## WORK EXPERIENCE

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**Support Worker**

**May 2022 – Present**

*Skills Building Support, Sydney*

- Working with children with disabilities to provide emotional, social & practical support
- Facilitating the development of children's social and fine motor skills, assisting them with meeting recommended milestones
- Liaised with various stakeholders, including parents, speech pathologists and occupational therapists, to understand and implement the best development plan for children

**Tutor**

**March 2022 – December 2022**

*Prestige Tuition, Liverpool*

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- Conducted weekly 1-1 tutoring in Chemistry, Physics and Maths for various tutees to assist in building strong fundamentals and achieve their maximum potential
- Designing personalised lesson plans and updating weekly session reports for regular feedback

## Referees

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### Mr. Sam To

High School Teacher, Relationship to me: Physics teacher in year 11 & 12

Email: [tsz.to@det.nsw.edu.au](mailto:tsz.to@det.nsw.edu.au)

Mobile Number: +61 447 070 987

### Theresa Le

High School Teacher, Relationship to me: Aunty

Email: [le\\_tereza@yahoo.com.au](mailto:le_tereza@yahoo.com.au)

Mobile Number: +61 408 833 122

**Languages:** Vietnamese (Fluent)

### Technical Skills:

- **Languages:** Python, Java, C, MIPS, Bash, SQL
- **Tools:** Git, Linux, Gradle, JWT, CI/CD
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**Hobbies and Interests:** Piano (Grade 8), Team sports (soccer and cricket), Gym, volunteering at local church