

Hamish McDonald

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Education

Monash University	Clayton, VIC
BscAdvResearch(Hons) in Pure Mathematics and Physics	01/2023 - 12/2024
Academy of Interactive Entertainment	Docklands, VIC
AdvDip(GameDev) in Game Programming	02/2025 - Present

Experience

Tutor	North Shore Coaching College, Box Hill	01/2025 - Present
<ul style="list-style-type: none">Deliver engaging and structured lessons to primary and secondary students in a classroom setting, with a focus on academic enrichment and exam preparation.Support individual student progress through personalized feedback and targeted learning strategies.Collaborate with academic staff to align lesson plans with the college's curriculum standards and goals.Foster a positive and disciplined learning environment that encourages student participation and confidence.		
Tutor	Tutero, Remote	01/2024 - 01/2025
<ul style="list-style-type: none">Provided one-on-one online tutoring across a range of subjects to high school students, with a strong focus on building conceptual understanding and study skills.Customized lesson plans to suit individual student needs, learning styles, and academic goals.Utilized digital tools and interactive platforms to enhance engagement and track progress.Maintained consistent communication with students and parents to monitor growth and provide ongoing support.		

Awards and Honors

Deans List 2023, Monash University	2023
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Skills

Programming Languages:

- 🐍 Python
- 🔵 C++
- GLSL

Technologies & Tools

- Game Engines & Frameworks:**
Raylib, Unreal Engine
- Graphics & Math Libraries:**
OpenGL, GLM
- Version Control & Build Systems:**
Git, GitHub, CMake
- Scientific & Data Tools:**
NumPy, Matplotlib, SymPy, Jupyter Notebooks, \LaTeX
- Operating Systems & Development Environments:**
GNU/Linux, Windows, Visual Studio, JetBrains CLion, VIM/Neovim
- Other Tools & Technologies:**
SSH, Bash, Active Directory, Networking fundamentals (TCP/IP, UDP), Linux command-line tools