William Noonan

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EDUCATION

University of Melbourne — Melbourne, Australia
Bachelor of Science in Computing and Software Systems — *Expected Graduation: November 2026*

University of Melbourne — Melbourne, Australia
Masters of Software Engineering - Early Entry Offer — *2027-2029*

University of Pennsylvania — Philadelphia, PA
Semester-Long Exchange Student – School of Arts and Sciences — *January 2025 – May 2025*

St Kevin's College — Melbourne, Australia
Victorian Certificate of Education, ATAR: 99.30 — *2023*

PROJECTS

RaceWise | *Python, React, Machine Learning* — April 2024 – Present
- Developing an AI model, using neural networks to predict outcomes in sports, using match statistics from NBA , with 70% accuracy.
- Plans to develop into full-stack web application using React

UniSphere | *Python, JavaScript, HTML/CSS* — March 2024
- Student Connection and Collaboration Social Media App
- Contributed to this project by building parts of the backend in Python using Flask

Smart Fridge Prototype | *C#, ML.NET, Raspberry Pi* — March 2022 – October 2022
- Used the Problem-Solving Methodology to design and develop the model.
- Developed project using C#.NET.
- Integrated a Raspberry Pi, camera, and thermometer into the mini fridge.
- Trained a model using ML.NET framework for item recognition.

WORK EXPERIENCE

Swimming Instructor — January 2024 – Present
Just Swimming Nunawading
- Lead and instruct classes of diverse age groups, demonstrating leadership and responsibility.
- Motivate students to achieve personal bests, fostering a positive and encouraging atmosphere.

Academic Tutor and Mentor — January 2024 – November 2024
St Kevin's College — *Melbourne, Australia*
- Simplify complex concepts to improve student understanding and academic performance.
- Communicate effectively to explain challenging material clearly and concisely.
- Adapt teaching methods to accommodate various learning styles, demonstrating flexibility and creativity.

KEY SKILLS AND TECHNICAL EXPERTISE

Leadership: Ability to lead diverse groups and foster positive environments.
Problem Solving: Effective in developing innovative solutions to complex challenges.
Teamwork: Collaborative team member focused on achieving project goals.
Languages: Python, C, C#, HTML/CSS
Frameworks: Flask
Developer Tools: Git, VS Code, Visual Studio, PyCharm
Libraries: pandas, NumPy