

Daniel Gilbert

Project Engineer | Water engineering

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Daniel is a Project Engineer at the Water Research Laboratory. He has 3 years of experience in the water space, working on problems relating to water quality, hydrology, hydraulics and groundwater resources. He completed a degree of Civil Engineering at UNSW, with a focus towards aspects of water engineering including water quality, hydrology and groundwater. As a part of his studies, he completed an honours thesis performing an assessment of emerging PFAS present in landfill leachate, building upon previous work he completed as a research assistant at UNSW.

Daniel has since gained experience working on a wide range of projects, solving complex water-related problems by utilising his understanding of coastal wetland hydrodynamics and fundamental hydraulic processes in the laboratory and field. Daniel has particular expertise in the numerical modelling of estuarine hydrodynamics and water quality processes. He is proficient with a broad spectrum of laboratory and field instruments, as well as numerical modelling techniques.

Qualifications and affiliations

BE Hons (Civil Engineering, first class), UNSW, 2022

Professional history

November 2020 - December 2021:	Research Student and Research Assistant, UNSW
December 2021 - August 2022:	Student Engineer, Aurecon
September 2022 - Current:	Project Engineer, UNSW WRL

Expertise

- Numerical modelling of estuarine hydrodynamics and water quality processes
- Conceptual understanding of environmental systems
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2021: Global PFAS contamination study
2022: Landfill leachate PFAS assessment
2022: Groundwater resource ao

