

Liam Guest



Graduate Engineer Water Resources

CONTACT DETAILS

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QUALIFICATIONS

- Bachelor Science (Biology) (Hons)
- Bachelor Civil Engineering (Environmental) (Hons)

Liam has completed a Bachelor of Civil (Environmental) Engineering and a Bachelor of Science (Biology), both with first-class honours from the University of Sydney. His engineering honours focused on modelling oceanic rogue waves in a wave flume tank.

Liam is passionate about finding efficient solutions for projects and enjoys continually learning new ways to approach engineering problems.

Liam is a capable and reliable team member, which is reflected in the responsibility and project roles he's undertaken and delivered to date. He aims to provide exceptional service in all facets of project work including effectively communicating ideas and solutions to clients.

Areas of expertise

- Water resources engineering
- Hydraulic modelling
- HEC-RAS modelling
- EPANET modelling
- Pipeline design
- GIS and mapping

Professional experience

- Pinion Advisory – Graduate Engineer – Water Resources, 2022-present
- Comdain Infrastructure – Undergraduate Engineer – 2018-2019

CAPABILITY STATEMENT

Relevant projects

| PROJECT | ROLE | CLIENT | YEAR/S DELIVERED |
|---|---|---------------------------------|------------------|
| Greater South East Irrigation Scheme (TAS) | Project engineer – concept and business case design of the irrigation scheme | Tasmanian Irrigation | 2022 - ongoing |
| Southern Midlands Irrigation Scheme (TAS) | Project engineer – concept design of the irrigation scheme | Tasmanian Irrigation | 2022 |
| Sassafras Wesley Vale Irrigation Scheme Augmentation (TAS) | Engineer – hydraulic review involving EPANET modelling | Tasmanian Irrigation | 2022 |
| Tamar Irrigation Scheme (TAS) | Engineer – hydraulic review and concept design | Tasmanian Irrigation | 2022 |
| Greater Meander Irrigation Scheme Augmentation (TAS) | Project engineer – pump sizing and pump station augmentation concept design | Tasmanian Irrigation | 2023 |
| Hay Private Irrigation District Augmentation (NSW) | Engineer - modelled scheme augmentations to deliver new water entitlements and determine most efficient options | Hay Private Irrigation District | 2022 |
| Dam break analysis and ANCOLD consequence category assessment (TAS) | Consultant – modelled worst case scenario dam breaks using HEC-RAS and determined appropriate consequence categories according to ANCOLD guidelines | Various clients | 2022 - ongoing |