

Joshua Bennett

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Education and Training

2013 – 2017 Bachelor of Engineering Honors (Civil): Griffith University Gold Coast, QLD (Completion November 2017)

Key Subjects: - **Honors Thesis:** (GPA 6.0)

- Geotechnical
- Fluid Mechanics
- Civil Design
- Integrated Design Project (IDP)

Team Projects: Multistory residential development, Integrated Design Project (IDP)

4th year Cap-Stone subject combining, all Structural, Concrete and Civil Design (Hydrology and Fluid Mechanics) subjects. Developed (in conjunction with three other students) as a team we were required to undertake preliminary design work for a multistory residential building which included Concrete slab, Frame and Civil Design.

Skills developed: - Application of engineering techniques, tools, and resources

- Application of relevant standards and codes
- Document organization and archiving
- Planning, managing and execution of final report
- Written communication
- Oral communication
- Attention to detail and creative thinking

2009– 2012 Bachelor of Engineering (Civil): James Cook University, Townsville, QLD

Key Subjects: - Geotechnical

- Fluid Mechanics
- Thermofluid Mechanics
- Advanced Fluid Mechanics
- Lake and Catchment Design

2008 – 2009 Diploma of Introductory Engineering: James Cook University, Cairns, QLD

Date of Completion November 2009

Professional Work History

Mar 2021 to July 2021 Geotechnical Engineer Soil Surveys Engineers Gold Coast

- Carrying out Engineering testing (Dynamic Cone Penetration, Sample drilling, Footing inspections)
- Supervision of geotechnical and environmental drilling programs (Bored Piers)
- Producing proposals and final reports.
- Entering test data and producing test reports.
- Assist administrative, laboratory and engineering teams and project managers by developing a strong rapport with clients during project delivery.
- Solving basic engineering problems using computer software.

2017 to Feb 2021 Geotechnical Laboratory and Soil Technician (full time hours), Douglas Partners Gold Coast

- Carrying out Quality Control and Quality Assurance laboratory tests on concrete; aggregates, and other construction materials according to various standard procedures (e.g. ASTM, TMR, AS (Australian Standards), RMS).
- Carrying out laboratory tests on soil samples according to various standard procedures, as part of geotechnical investigations.
- Carrying out Engineering testing (Dynamic Cone Penetration DCP, Sample drilling, Footing inspections).
- Entering test data and producing test reports.
- Support during geotechnical and environmental drilling programs.
- Level-1 Site inspection and testing (Assessing material quality and placement).
- Working with and providing support to other Laboratories within Douglas Partners (e.g. Technician Exchange Gold Coast to Melbourne or Coffs Harbour offices).
- Assist administrative, laboratory and engineering teams and project managers by developing a strong rapport with clients during project delivery.
- Undertake internal and external training and accreditation such as safety inductions (Douglas Partners, Shadforth's, GHD, SEE Civil etc.).
- Solving basic engineering problems using computer software.

Achievements: Level-4 senior technician responsible for training new staff in the Gold Coast and interstate such as New South Wales and Melbourne, in soil mechanics and laboratory testing procedures as outlined in various Australian industry standards.

2017 (Feb-Jun) Undergraduate Industry Placement – (Industry Affiliates Program), Douglas Partners Gold Coast

- Carry out engineering work for the senior engineer.
- Investigate subsurface conditions and materials for excavation purposes (core sample logging).
- Carry out field testing for water contamination, erosion, slope stability and retaining walls.
- Conduct analysis on field data.
- Create calculations, sketches, and diagrams.

Achievements: After industry placement I was offered a position at Douglas Partners Gold Coast Laboratory as a laboratory and Soil Technician.

2016 (Jun-Nov) Research Thesis for Dr Mark Bolton (Full time) Griffith University Gold Coast

- Undertook literature review on cement treated marine clay.
- Conduct a series of laboratory experiments on marine clay dredge from Brisbane River mixed with 15 percent cement content.
- Presented seminar to research group.

Achievements: Received a Distinction grade for the thesis.

Computer and Technical Skills

Advanced in Microsoft 365 office suite

Experience in AutoCAD, Autodesk Inventor, Autodesk Revit, SolidWorks

Licenses, Certificates and Accreditations

- Occupational Health & Safety Certificate
- Surf Life Saving Bronze Medallion
- White Card QLD

Activities and Interests

Mountain Biking, Swimming, Skim Boarding, Surfing

Professional Referees available on request

Academic Transcripts and Certificates Available upon request
