

Ben Raftery

Contact

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Software

Microsoft Office
AutoCAD Mechanical
AutoDesk Inventor
AutoDesk Civil 3D
SpaceGass

Interests

Touch football
Camping
Programming
HTML/CSS –
Javascript –
Python –
Java –

Engineering experience

2010–2013

Lever Australia

Sherwood, QLD

Undergraduate Engineer

- Over 2,000 hours experience as an undergraduate engineer
- Liaising with clients, design, drafting and site visits
- Heavy emphasis on CAD and design programs, paired later with client interaction
- Proof-reading cost estimates and proposals

Noteworthy Projects

Lake Vermont Site Expansion and Flood Study

- Architectural design and draft of maintenance area and site offices, slab design and fitout for light vehicle washpad, heavy vehicle washpad, fuel farm and central maintenance workshop area
- Laid out site plan on aerial images for traffic and parking requirements
- Design and draft of pipeline, dam expansion and manifold redesign for environmental dam

Lihir Gold Infrastructure Upgrade

- Layout and drafting for lubricant, crusher and ancillary workshops, assisting in column and slab design
- Design of walkways and access stairs to crusher including design of custom, counterweighted personnel drawbridge
- Layout, slab design and drafting of effluent pit, bunds and light tower footings

Stanmore Coal

- 3D model design of train rail using LiDAR data and Autodesk Civil 3D, along with design and draft of loadout using Autodesk Inventor for 3D rendering
- Runoff design and natural dam reservoir design to contours

Brisbane City Council Asphalt Tower Access

- 3D design of ladder access to existing asphalt tower, assisting with load testing on existing structure

Work Experience

2015–2016

Lüp (formerly Expo News)

Brisbane, QLD

Events Management

- Allocating and on-site training of 1–10 casual staff during exhibition events
- Supervising exhibition ticketing and crowd control
- Tracking and troubleshooting lead generation, data collection and IT issues
- Client and organiser interaction via phone and face-to-face means
- Sales calls and queries

2013–2015

Crust Gourmet Group

Mt Gravatt/Annerley, QLD

Supervisor/Pizza Maker

- Leading teams of 5–10 people
- Decision making and prioritisation in a fast-paced environment
- Tracking stock for ingredient orders
- Customer interaction and conflict resolution
- Optimising delivery timings and similar location pairing within time constraints

2007–2009

Neos Pizza, Pasta, Gelati

Highgate Hill, QLD

Manager/Cook, starting as Kitchenhand

- Leading teams of 1–5 people
- Ordering, organising and preparing ingredients
- Customer interaction and conflict resolution
- Multitasking stovetop, oven and salad operations for cohesive meal timings

Education

- 2010–2015 **B.Eng.** Civil Engineering University of Queensland, St Lucia
(Electing Project Management, Structural Design, Traffic Design, Design Projects)
- 2005–2009 **QCE.** Year 12 Senior Certificate Brisbane State High School
Math B, English, Physics, Aerospace Studies, Tech Studies, Physical Education

Volunteering

- 2009 **Bronze Medallion** Dicky Beach Surf Lifesaving Club
Perform basic water rescues, provide Cardio Pulmonary Resuscitation (CPR), Radio certificate, ATV License for beach use

Further Information

<https://au.linkedin.com/in/benraftery>