

RACHAEL BROWN

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KEY SKILLS

- Civil/Structural Engineering graduate, with a passion for environmentally sustainable construction.
- Great communicator who thrives on collaborative projects. Active member of the Illawarra Flame House that won the 2013 Solar Decathlon in Beijing, China.
- Leadership and drive: Led a team of 25 multi-disciplinary students to national semi-finals of 'Enactus' inter-university challenge.
- Accountability: I take work and extra-curricular tasks seriously and deliver my best consistently, demonstrated by sporting, voluntary work and academic achievement.
- Strong proficiency in Excel; Basic user of C and C++ and Microsoft Project.
- Proficient with CAD, Matlab, Talpac.

EDUCATION

Bachelor of Civil Engineering

2012 – Nov 2015

University of Wollongong

- Distinction average (82%)
- High Distinctions: Roads Engineering; Geomechanics
- Distinctions: Environmental Engineering Design; Civil Engineering Design

PROFESSIONAL EXPERIENCE

Undergraduate Civil Engineer

Nov 2014 – Feb 2015

Northrop Consulting Engineers

Description

- Undertook 12 weeks' full time professional experience on the Northrop Summer Vacation program
- Completed rotations through Building Services, Water Infrastructure and Mechanical Services.
- Assisted Senior Civil Engineer on a project to determine the ongoing stability of concrete stabilised footpaths around a commercial/retail centre
- Shadowed Associate Engineering Consultants working on an industrial development and gained insight into flood planning, the use of fibre reinforced slabs and gantry cranes.
- Observed the preparation, function and process of tender and contract documents in action, and assisted Civil Engineers to fulfil these.

EXTRA CURRICULAR ACTIVITIES

Student Engineer

2012 and 2013

Team UOW Illawarra Flame House

illawarraflame.com.au

Description

- Objective: to 'design and construct' a sustainable, solar powered house, using retrofit technologies. A team of 40 students from UOW and TAFE Illawarra worked on the house which won the 2013 Solar Decathlon competition in China.
- Assisted in costing estimates for construction materials and researched appliances.
- Contributed to final product manual for the house.
- Gained amazing exposure to environmentally sustainable design principles and leading technologies used around the globe.

PROFESSIONAL MEMBERSHIPS

Engineers Australia, Student Member

Engineers without Borders, Student Member

Women in Engineering, Member - Student Chapter

ADDITIONAL EMPLOYMENT

Sales Assistant

Jan 2011 – Current

Myer, Wollongong

Description

- Casual position, averaging 15 hours per week, whilst studying
- Served and interacted with customers in the manchester/bedding area.
- Arranged merchandising displays for brand promotion and Myer sales periods.

VOLUNTARY EXPERIENCE

Vice President

Mar 2013 – July 2014

Enactus

Enactus is a community of businesses and students that collaborate on entrepreneurial projects that improve the standard of living of people across the globe.

Description

- Active university role, averaging 2 - 5 hours per week.
- Managed the UOW team Business Advisory Board.
- Led and coordinated a team of 25 students in three local volunteer projects.
- Presented business models of the volunteer projects to national Enactus conference, and led the team to the national semi-finals.

VOLUNTARY EXPERIENCE continued

Volunteer

Jan – Feb 2013

International Student Volunteers (ISV)

Description

- Two week visit to Mong Ngok (remote tribal mountain village in north of Thailand).
- Assisted in the construction of a western style toilet block, maintenance of school and in teaching English to children at the local school.

Juniors Coach

2009 – 2013

Kiama Netball Club

Description

- Coached junior netball team through four years (7 – 11 yrs).
- Won 2012 and 2013 grand finals.

UniCrew Member

2014 and 2015

Centre for Student Engagement, University of Wollongong

Description

- UOW Buddies program: Spent fortnightly lunchtime activity and chat sessions with new international students to build friendships and a welcoming university environment.
- Assisted in the hosting of weekly trivia nights at the University, which involved interacting with audiences and some microphone work.

INTERESTS

- Representative netball u.21's (Illawarra District Netball Association) 2010 - 2014
- Open Division Regional State League Player (South Coast) 2015
- Yoga (weekly classes for last two years)
- Running (for fitness and wind-down)

REFEREES

Julia Bloggs

Consulting Engineer

Northrop Consulting Engineers

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