KIERAN BRENNAN

PERSONAL INFORMATION

Born in New Zealand, October 1993

email kbre93@gmail.com

phone (M) +64 27 841 2714

EDUCATION

2015–Present The University of Auckland, New Zealand

PhD in Thesis: Real-time fluid penetration imaging for Needle-free Jet Injection

Bioengineering Supervisors: A/Prof. Andrew Taberner, Prof. Poul Nielsen, Dr. Bryan Ruddy

The University of Auckland, New Zealand

Bachelor of Specialisation: Engineering Science

Engineering GPA: 8.96 out of 9.0

(Honours) Honours project: Creating Models of Episodic Memory for Interactive Learning (A+)

WORK EXPERIENCE

Dec 2015-Present Research & Development Engineer

Soul Machines Developing an artificial neural network system to control an virtual human

character.

Nov 2014-Nov 2015 Research & Development Intern

The Laboratory for Developed a computational memory system that simulated working memory in the pre-frontal cortex of the brain in order to learn and recall sequences of patterns.

Nov 2013-Feb 2014 Engineering Intern

Developed a software control system for a lighting and DSLR camera rig used to create realistic, fine-scale digital reconstructions from human models.

Feb 2014–Nov 2014 Resident Advisor

The University of Resident Advisor at a university hostel providing assistance and organising

Auckland events.

Nov 2012-Feb 2013 Assistant Engineer

Higgins Group Assistant intern for head Maintenance Engineer, tasked with revising and Holdings Ltd formally documenting roading maintenance procedures.

April 2013 High School Student Tutor

NCEA Campus Tutor for high school age students, helping with Physics and Biology at NCEA

level 3 and Scholarship level.

ACHIEVEMENTS AND AWARDS

2016 Three month exchange to Massachusetts Institute of Technology

2015 University of Auckland Doctoral Scholarship

Dick and Mary Earle Scholarship in Technology

Management Consulting Club Engineering Case Competition — Runner up

2014 University of Auckland Dean's Honour List — top 5% of year group

James Gordon Goodfellow Memorial Prize — 'the most distinguished academic performance throughout the entire engineering programme'

Senior Scholar Award — 'highest overall grades in degree programme'

Nine Top in Course awards throughout degree'

2013 University of Auckland Dean's Honour List

Institute of Professional Engineers New Zealand (IPENZ) Tomorrow's

Engineering Leaders

2012 University of Auckland Dean's Honour List

IPENZ Scholarship

University of Auckland Scholarship

Kick Start University of Auckland Scholarship

2011 NZQA Premier Scholarship Award

Dux Litterarum, Palmerston North Boys' High School

New Zealand Representative at Australian National Youth Science Forum

Associate of Trinity College London for Classical Piano

ADDITIONAL SKILLS AND EXPERIENCE

Formal Presentation Experience $2014 \cdot 1^{st}$ prize for poster and talk competition for engineering internship

2014 \cdot Honours project presentation awards: ranked 1st by students and ranked 3rd by staff

2011 · Completed Toast Master's International public speaking course

Multi-disciplinary Teamwork 2014 \cdot Led 25-person multi-disciplinary team in 4th year engineering management course earning a project mark of 100%

2012–13 $\,\cdot\,$ Received A+ grades in all management and communication courses for Parts I, II and III of degree

2014 · Resident Advisor at a University hostel

2013–14 · Member of the Management Consulting Club – selected for the competitive development squad

Excellent Interpersonal Skills 2013 $\,\cdot\,$ Academic mentor for a first-year Scholarship recipients offering guidance and advice

Can communicate effectively and relate well to people of different social and ethnic backgrounds

Enjoy being part of a team and am quick to learn and adapt.

Interests Soccer · Piano · Weightlifting · Guitar · Tennis · Touch