GERARD KENNEDY

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OVERVIEW

I am a Masters student with the Australian Centre for Robotic Vision and the Australian National University. My project involves developing applying computer vision and state estimation techniques to agricultural robotic applications. I previously completed Bachelors degrees in Engineering and Science at the Australian National University. I have submitted my thesis and am available to start work immediately.

EMPLOYMENT

Tutor/Teaching Assistant   2017 - 2020
Australian National University

Courses: Systems Engineering Design (ENGN2225), Systems Group Project (ENGN4221), Robotics (ENGN4627), Computer Vision (ENGN4528).

Research Assistant   2018 - 2019
Australian National University

I assisted in the development of the vision system for an agricultural harvesting robot, and in the development of a novel simultaneous localisation and mapping algorithm.
Required skills: Matlab, Python, C++, BASH, ROS, Ubuntu

Summer Research Scholar   2015 - 2016
CSIRO, Scientific Computing Section, Canberra

I developed automated hardware and software testing regimes to be implemented on the CSIRO's high performance computers.
Required skills: BASH, C#, C++, Ubuntu
Publication: https://conference.eresearch.edu.au/2018/09/hpc-software-image-test/

EDUCATION

Master of Philosophy   2019 - 2021
Australian National University & Australian Centre for Robotic Vision
My project involved developing novel state estimation and computer vision techniques for agricultural robotic applications.
Research areas: Robotics, Computer Vision, Robotic Vision
Required skills: Python, C++, Matlab, Ubuntu, ROS, Pytorch, Deep Learning
Publications: https://kennege.github.io/publications/

Bachelor of Engineering (Honours)   2013 - 2018
Australian National University
Major in Mechatronic Engineering
First Class Honours
Thesis: https://kennege.github.io/files/thesis_2017.pdf

Bachelor of Science   2013 - 2018
Australian National University
Major in Mathematics
Minors in Physics, Earth Science

AWARDS

Australian Government Research Training Program Scholarship	2019 - 2021
Postgraduate Research Scholarship (Australian Centre for Robotic Vision)	2019 - 2021
First Class Honurs, Bachelor of Engineering (Australian National University)	2018
Discovery Translation Fund (Australian National University)	2018
Chancellor's Letter of Commendation (Australian National University)	2017
CSIRO Summer Research Scholarship	2015

MISC.

Engineers Australia Graduate Member	2021
Robotic Vision Summer School Workshop Coordinator	2020
Associate Fellowship of the Higher Education Academy (AFHEA)	2018
Fifty50 First Year Mentor	2017
Engineers Australia Campus Coordinator	2016