

D. Hood

dmjhood@gmail.com

ABOUT

INDUSTRIOUS

Commenced university aged 15 and topped three degrees while president/chair of various extracurricular activities

EXPLORER

Lived/worked in 8 countries and 4 languages in the past three years; visited over 30

PROACTIVE

Side-projects include open source contributions (OpenCV & Eigen C++ libraries), the Recurse Center (2015) and work in Nicaragua (2015) and Zambia (2013)

AMBASSADOR

STEM promoter through local outreach events and international TV-, radio- and print-based media coverage of humanitarian engineering projects

EDUCATION

M. SC. COMPUTER VISION & ROBOTICS (TOP GRADUATE)

2012-2014; EPFL CH, Heriot-Watt GB, Uni. of Girona ES, Uni. of Burgundy FR; GPA: 9.4/10.0

B. MATHEMATICS (UNIVERSITY MEDALIST)

STATISTICS (MODELLING, ANALYSIS) & COMPUTATIONAL MATHEMATICS SPECIALISATIONS
2007-2011; QUT AU; GPA: 6.94/7.0

B. E. ELECTRICAL (ENGINEERS AUSTRALIA MEDALIST)

EMBEDDED SYSTEMS & CONTROL SYSTEMS SPECIALISATIONS
2007-2011; QUT AU; GPA: 6.89/7.0

EXPERIENCE

CHILI LAB EPFL | THE FIRST ROBOT CHILDREN CAN TEACH TO WRITE, INCLUDING NOVEL AI, MULTI-DEVICE WRITING SCHEME & FIELD TRIALS
Feb 2014 – Sep 2014 | Lausanne, CH | **published HRI'15, top AAAI'15 video**

ISSNIP UNIMELB | ELECTRONICS & PROTOCOLS FOR USB STETHOSCOPE FOR DIAGNOSING PNEUMONIA IN RURAL MOZAMBIQUE
Jan 2012 – Jul 2012 | Melbourne, AU | **TED talk as finalist for TED2013**

SAIVT LAB QUT | BRAIN-COMPUTER INTERFACE, ELECTRONICS, CONTROL SYSTEM & NETWORKING FOR THE FIRST BRAIN-CONTROLLED AUTOMOTIVE EXPERIENCE SIMULATOR
Feb 2011 – Nov 2011 | Brisbane, AU | **published AutoUI'12**

NATIONAL ICT AUSTRALIA | MICROPROCESSOR-BASED WIRELESS SENSOR NETWORK FOR INFERRING USAGE OF PUBLIC CENTRES
Nov 2010 – Mar 2011 | Brisbane, AU

AUSTRALIAN ENERGY MARKET OPERATOR | NETWORK DEMAND ANALYSIS; PIONEERING & TRAINING OF SCRIPTING LANGUAGE
Nov 2009 – Feb 2010 | Brisbane, AU

ENERGEX | RESEARCH & ANALYSIS OF EFFECTS OF FEED-IN TARIFFS FOR SOLAR PHOTOVOLTAICS ON THE ENERGEX NETWORK
Nov 2008 – Feb 2009 | Brisbane, AU

QUT/UNIMELB | TUTORING UP TO THIRD-YEAR UNIVERSITY CLASSES, INCLUDING CONTROL SYSTEMS, MICROPROCESSORS, ENGINEERING MECHANICS, VECTOR CALCULUS & PARTIAL DIFFERENTIAL EQUATIONS
Feb 2008 – Jul 2012 | Brisbane/Melbourne, AU

LEADERSHIP POSITIONS **20+, INCLUDING:**

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|---------|-------------|--|
| 2012 | Manager | Robogals Rural nationwide training weekend |
| 2009-11 | President | Industry-linked university student societies |
| 2011-13 | Course Rep. | Undergraduate and postgraduate degrees |

AWARDS **35+ TERTIARY-LEVEL, INCLUDING:**

ACADEMICS

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| 2012 | The Erasmus Mundus European Masters Full Scholarship |
| 2011 | The Engineers Australia Electrical Branch Medal |
| 2011 | The QUT University Medal (top 0.5%) |

LEADERSHIP

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|------|---|
| 2013 | The Google Anita Borg Memorial Scholarship |
| 2011 | The John Kindler Memorial Medal |
| 2012 | Finalist for the Australian General Sir John Monash Scholarship |