Adam Batten

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EDUCATION

Doctor of Philosophy (PhD)   2018 - Present
Swinburne University of Technology, Centre of Astronomy and Supercomputing
Supervisors: A/Prof Alan Duffy and A/Prof Emma Ryan-Weber

Graduate Certificate of Research and Innovation Management   2018 - Present
Swinburne University of Technology, Centre of Astronomy and Supercomputing

Masters of Research (Astronomy & Astrophysics)   2016 - 2017
Macquarie University, Department of Physics and Astronomy
Thesis Title: *Too Close, Yet Too Far: Common Envelope Interaction of Triple Systems*
Supervisor: Prof. Orsola De Marco

Bachelor of Advanced Science (Major: Astronomy & Astrophysics)   2013 - 2015
Macquarie University, Department of Physics and Astronomy

RESEARCH EXPERIENCE

MACQUARIE UNIVERSITY   2015 - 2016
Summer Vacation Research Scholarship (6 weeks). Supervisor: Richard McDermid
Stellar properties of massive galaxies from MUSE integral field spectroscopy

MACQUARIE UNIVERSITY   2014 - 2015
Summer Vacation Research Scholarship (5 weeks). Supervisor: Prof. Orsola De Marco
Determining the binary fraction in planetary nebulae

AWARDS & HONOURS

2018 - ASTRO3D Arc Centre of Excellence PhD Scholarship
2017 - Masters of Research 2nd Year Stipend Scholarship
2016 - Masters of Research 1st Year Session 2 Coursework Scholarship
2016 - Masters of Research 1st Year Session 1 Coursework Scholarship
2015 - Judyth Sachs PACE Prize (3rd year undergraduate capstone project prize)
2015 - J C Ward, FRS, Physics Prize (Top Student 3rd year undergraduate physics)
2014 - Dick Makinson Physics Prize (Top Student 2nd year undergraduate physics)

TALKS AND POSTERS

Mount Stromlo Observatory Student Seminars (Talk)   2017
Macquarie University Astronomy Open Night (Public Talk)   2017
Macquarie University Research Frontiers Poster Session (Poster & Talk)   2017
Macquarie University Physics and Astronomy Computing Group ("Coffee and Code") 2017

SKILLS

Languages:	*Proficient:* Python
	Some Experience: Bash, Markdown, Javascript, HTML, CSS, SQL, R
Software & Tools:	UNIX, LaTeX, Vi/Vim, Git/Github, Jupyter Notebooks, Microsoft Office
Astronomy Software:	ENZO, MESA, YT, EsoRex, PyNbody

OUTREACH

Hawthorn Town Hall Gallery Exhibition *"Deeper Darker Brighter"* Artist	May 2018
Macquarie University Open Night (30 min Public Talk)	May 2017
Macquarie University Events presenter: e.g. Astronomy Open Night, University Experience Day	2015 - 2017
Macquarie University Observatory Guide	2015
Created outreach website and posters for the Australian Astronomical Observatory	2015

TEACHING EXPERIENCE

Teaching Assistant - Astrophysics Computer Labs (3rd year undergraduate)	2017
Assignment Marking - Introductory Astronomy (1st year undergraduate)	2017

MEMBERSHIPS

ARC Centre of Excellence for All Sky Astrophysics in 3 Dimensions (ASTRO3D)	2018 - Present
Astronomical Society of Australia (ASA)	2017 - Present
Australian National Institute for Theoretical Astrophysics (ANITA)	2017 - Present
Macquarie University Physics and Astronomy Society (Admin and Public Outreach Officer)	2016
Macquarie University Physics and Astronomy Society (General Member)	2013-2015

CONFERENCES, SCHOOLS AND WORKSHOPS

NVIDIA CUDA/OpenACC Workshop (*Swinburne Uni. of Tech.*)	Apr 2018
Software Carpentry Workshop - R/Git/Shell (*Macquarie Uni.*)	Dec 2017
Mount Stromlo Student Seminars (*Australian National Uni.*)	Nov 2017
ASA IDEA Diversity in Astronomy Workshop (*Macquarie Uni.*)	Sep 2017
Astronomical Society of Australia Annual Scientific Meeting (*Australian National Uni.*)	Jul 2017
Harley Wood School of Astronomy (*Australian National Uni.*)	Jul 2017
ANITA Theory Workshop (*Uni. of Tasmania*)	Feb 2017
ANITA Programming School and Hackfest (*Uni. of Tasmania*)	Feb 2017
Mount Stromlo Student Seminars (*Australian National Uni.*)	Nov 2016