

Jamin Wu

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EMPLOYMENT	Medical Resident 2022 <i>Royal Melbourne Hospital / Peter MacCallum Cancer Centre</i> Rotations in Medical Oncology, Nephrology, Aged Care, Relieving/Nights
	Medical Intern 2021 <i>Royal Melbourne Hospital</i> Rotations in General Medicine, General Surgery, Emergency, Psychiatry, Urology
EDUCATION	BMedSc/MD – Bachelor of Medical Science and Doctor of Medicine 2021 <i>Monash University, Australia (2015 — 2020)</i> Exchange semester at <i>Karolinska Institutet, Sweden (2018)</i>
	BMedSc (Hons) – Bachelor of Medical Science (Honours) 2021 <i>Monash University, Australia (2019)</i> Departments of Physiology and Electrical & Computer Systems Engineering Supervised by Dr Yan Wong & Dr Nicholas Price Thesis entitled <i>Generative Adversarial Networks for Simulated Prosthetic Vision</i>
ADDITIONAL COURSES	GAME-TEI International Summer School 2020 Summer school delegate from Monash University to University of Bologna (online) Year's Topic: <i>Artificial Intelligence in Medicine and Medical Education</i> Studied machine learning concepts using TensorFlow for chest X-ray image classification.
RESEARCH EXPERIENCE	Research Software Developer 2018–2020 Voluntary research with Austin Hospital neurointerventional group. <ul style="list-style-type: none">• Developed web backend in Python (Flask) for stroke service streamlining app.• Developed simulation code and analysed data in Python for stroke service simulation.
	Winter Research Scholarship 2018 <i>School of Biomedical Sciences, Monash University</i> Supervised by Dr Lan Nguyen <ul style="list-style-type: none">• Developed a cancer survival analysis web-app (full-stack Python & JavaScript).
	Summer Research Scholarship 2017 <i>School of Mathematical Sciences, Monash University</i> Supervised by Prof Hans de Sterck & Prof Hans Elmlund <ul style="list-style-type: none">• Developed and implemented cryo-EM image processing routines in Fortran.
	Summer Research Scholarship 2016 <i>School of Psychological Sciences, Monash University</i> Supervised by A/Prof Naotsugu Tsuchiya <ul style="list-style-type: none">• Analysed psychophysics and ECoG data using MATLAB, Python and R.

PUBLICATIONS

- Ren Y, Phan M, Luong P, **Wu J**, Shell D, Barras CD, et al. Application of a computational model in simulating an endovascular clot retrieval service system within regional Australia. *J Med Imaging Radiat Oncol*. 2021 Dec;65(7):8507.
- O'Reilly GM, Mitchell RD, **Wu J**, Rajiv P, Bannon-Murphy H, Amos T, et al. Epidemiology and clinical features of emergency department patients with suspected COVID-19: Results from the first month of the COVID-19 Emergency Department Quality Improvement Project (COVED-2). *Emergency Medicine Australasia*. 2020 Oct;32(5):81422.
- Ren Y, Phan M, Luong P, **Wu J**, Shell D, Barras CD, et al. Geographic Service Delivery for Endovascular Clot Retrieval: Using Discrete Event Simulation to Optimize Resources. *World Neurosurgery*. 2020 Sep;141:e40013.
- O'Reilly GM, Mitchell RD, Rajiv P, **Wu J**, Brennecke H, Brichko L, et al. Epidemiology and clinical features of emergency department patients with suspected COVID-19: Initial results from the COVID-19 Emergency Department Quality Improvement Project (COVED-1). *Emergency Medicine Australasia*. 2020 Aug;32(4):63845.
- Seah HM, Burney M, Phan M, Shell D, **Wu J**, Zhou K, et al. CODE STROKE ALERT—Concept and Development of a Novel Open-Source Platform to Streamline Acute Stroke Management. *Front Neurol*. 2019;10:725.
- Matthews J, **Wu J**, Corneille V, Hohwy J, Bostel J van, Tsuchiya N. Sustained conscious access to incidental memories in RSVP. *Attention, perception & psychophysics*. 2018;81(1):188204.

AWARDS

- **Grand Prize Winner** of Dyalog APL Problem Solving Competition 2019
- **Undergraduate Academic Scholarships** at Monash University
 - Winter Research Scholarship (School of Biomedical Sciences) 2018
 - Summer Research Scholarship (School of Mathematical Sciences) 2017
 - Monash Global Grant for 6-month exchange to Karolinska Institute 2017
 - Summer Research Scholarship (School of Psychological Sciences) 2016
 - Monash Scholarship for Exceptional Achievement equivalent to tuition fees 2015
- **Year 1 Faculty Prize** for top two medical students in first year medicine 2016
- **Beazley Medal** for top graduating high school student in Western Australia 2014

COMMUNITY

- **Academic & Peer Mentor** for junior medical students 2018–2020
- **Lecturer** for medical student society revision lectures 2018–2019
- **Violinist** for community orchestras (MMO, SMSO, Stroket) 2018–2022
- **Pianist** for Royal Freemasons aged care facility 2016

REGISTRATIONS

- **Medical Practitioner – General Registration**
AHPRA Number: MED0002445150

TECHNICAL SKILLS

- **Languages:**
 - Python (numpy, scipy, TensorFlow) for general programming & data science
 - R, MATLAB, Fortran for data analysis
 - JavaScript, Elm, Julia, OCaml, APL for hobbyist projects
- **Database management:** MySQL, PostgreSQL, SQLite
- **Version control:** Git, GitHub
- **Document publishing:** Emacs org-mode, \LaTeX