Jamin.Wu07 at gmail dot com

Jamin Wu

Website: https://wjmn.github.io
GitHub: https://github.com/wjmn

OBJECTIVE

I am interested in clinical medicine and computer science.

EDUCATION

Bachelor of Medical Science and Doctor of Medicine 2015-curr.
Monash University
Semester at Karolinska Institutet, Sweden (Exchange 2018)
WAM (current): 85, InternZ Score: 5.4

Bachelor of Medical Science (Honours) 2019
Monash University — Department of Physiology, and
Department of Electrical & Computer Systems Engineering
Supervised by Dr Yan Wong & Dr Nicholas Price
Minor thesis titled *Generative Adversarial Networks for Simulated Prosthetic Vision*

Western Australia Certificate of Education 2010-2014
Perth Modern School
ATAR: 99.95

EXPERIENCE

School of Biomedical Sciences, Monash University 2018
Summer Research Scholarship, supervised by Prof Paul McMenamin (Department of Anatomy and Developmental Biology).

- Project on dissection of head and neck specimens.
- Applied anatomy knowledge and dissecting skills to produce presentable specimens.

School of Biomedical Sciences, Monash University 2018
Winter Research Scholarship, supervised by Dr Lan Nguyen (Department of Biochemistry and Molecular Biology).

- Project on a web interface for producing survival analyses of open-access cancer data.
- Usage of Python (Flask) and JavaScript (React) to produce a web app hosted on a university server.

School of Mathematical Sciences, Monash University 2017
Summer Research Scholarship, supervised by Prof Hans de Sterck and Prof Hans Elmlund.

- Project on automated particle picking for cryo-EM.
- Usage of Fortran for writing image processing routines within existing codebase.

School of Psychological Sciences, Monash University 2016-2017
Summer Research Scholarship, supervised by A/Prof Naotsugu Tsuchiya.

- Project on incidental memory in rapid series visual presentation.
- Project on integrated information theory in relation to ECoG data.
- Usage of Matlab, Python and R for data analysis and visualisation.
- Presentation of results and data using Jupyter Notebooks and org-babel.

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AWARDS

Grand Prize Winner of the 2019 APL Problem Solving Competition (Dyalog) 2019
Received 2500 USD in recognition of solutions written in the APL programming language for a range of programming problems.

Silver Certificate in MUMUS Physiology Competition (MUMUS) 2016
2nd place in medical student-run physiology competition.

Year 1 Faculty Prize (FMNHS, Monash University) 2016
Awarded to top two students based on Year 1 results in the MBBS cohort.

Academic Scholarship (Monash University) 2015-18
Monash Scholarship for Exceptional Achievement 2015
Summer Research Scholarship (School of Psychological Sciences) 2016
Monash Global Grant 2017
Summer Research Scholarship (School of Mathematical Sciences) 2017
Winter Research Scholarship (School of Biomedical Sciences) 2018
Summer Research Scholarship (School of Biomedical Sciences) 2018

Beazley Medal (SCSA, Government of Western Australia) 2015
Awarded for highest aggregate Year 12 results in Western Australia.

Cert. of Distinction (School Curriculum and Standards Authority) 2015
in Mathematics, Physics, Chemistry and Japanese
Awarded for achieving in top 0.5% of students in course.

Dux (Perth Modern School) 2014
Awarded for highest aggregate Year 12 results in school.

Australian Chemistry Summer School (Australian Science Innovations) 2013
Selection based on outstanding achievement in National Qualifying Exam.

SKILLS

Experience using **Python** for general programming, writing backend servers, data science and machine learning tasks on vacation-scholarship or full-year research projects. Extensive usage of numpy, scipy, matplotlib, Jupyter, flask, django, tensorflow and keras.

Experience using **Matlab**, **R** and **Fortran** for numerical and statistical tasks during vacation projects.

Experience using **JavaScript** (with React) and **Elm** for frontend development, and have independently written full-stack applications consisting of a client-side single-page application and a REST backend.

Experience using **APL**, **J** and **Haskell** for hobby programming tasks.

Well-acquainted with Git and GitHub, bash, and LaTeX.

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EXTRA-CURRICULAR

Revision Lecturer (Treatments in Psychiatry) for Year 4 medical students	2019
Revision Lecturer (Neurology) for Year 3 medical students	2018
Momentum Mentor (for junior medical students)	2018-2019
Volunteer software developer for Code Stroke Alert	2018
Violinist in Stroket (chamber string group at Karolinska Institutet)	2018
Violinist in Monash Medical Orchestra	2015-2019

PUBLICATIONS

Seah, H., Burney, M., Phan, M., Shell, D., **Wu, J.**, Zhou, K., Brooks, O., Coulton, B., Maingard, J., Tang, J., Yazdabadi, G., Tahayori, B., Barras, C., Kok, H., Chandra, R., Thijs, V., Brooks, D. and Asadi, H. (2019). CODE STROKE ALERT-Concept and Development of a Novel Open-Source Platform to Streamline Acute Stroke Management. *Frontiers in Neurology*, 10.

Matthews, J., **Wu, J.**, Corneille, V., Hohwy, J., van Boxtel, J. and Tsuchiya, N. (2018). Sustained conscious access to incidental memories in RSVP. *Attention, Perception, & Psychophysics*, 81(1), pp.188-204.