**Résumé**

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***Programming:***

* Technical competencies: C/C++, SQL, Python, R, and Matlab
* Currently self-teaching graphics programming utilizing c++, and learning the associated object orientated programming principles
* Competent in following mathematics: linear algebra, vector calculus, differential equations, real analysis, probability, statistics, and stochastics
* Github: <https://github.com/onewordwitticism>

***Employment History:***

**MEX Maintenance Software** **-** Support Programmer (03/08/2020 – 03/10/2020)

* Daily phone, email, and web-chat based contact with clients to successfully solve their MEX software bug reports and general usage queries – this was achieved through:
* SQL Server Management Studio (SSMS) to run diagnostic queries on clients MEX hosted databases
* SQL query modification/creation for clients reports they needed modified
* Study of the applications control flow for diagnosis, involving; front-end browser interface (html/css/js), web-server and SQL server calls/responses inputs and outputs

**Australian Taxation Office -** Graduate Analyst (APS3) (02/02/2020 – 24/07/2020)

* Use of R-studio to build and develop generalized linear models aiming to explain sole trader lodgement behaviour
* Obtained baseline clearance to access classified client data (when using virtual machines)
* Further development of my stakeholder management skillset through individual and teamwork based projects
* Training in the taxation system as a whole throughout the first half of the APS graduate program

**Centre of Excellence for Biosecurity Risk Analysis (CEBRA)** **-** Summer Internship (2019)

My responsibilities and learning opportunities included:

* Data cleaning, and analysis incorporating mixed-effects linear models
* Significant time developing skills as an entry level statistician and in the use of R statistical software
* Experience starting and using instances on Amazon Web Services (AWS)
* Education on analysis techniques used in current Australian biosecurity research and policy (e.g. statistically formulated risk maps of Australia)

**Research Assistant –** Griffith University (01/10/2015 – 01/06/2016)

Employed as a research assistant to help perform federally funded health research. The project was clinical neuroscience based using transcranial neural stimulation techniques to investigate lateral epicondylalgia. My responsibilities included:

* Working in a team environment and assisting in the research design protocol
* Control of software and hardware during experimental testing sessions
* Preliminary data analysis for academic publication
* First exposure to software and was responsible for creating small script to help run the experimental session hardware

**Hospitality**

Growing up in a hospitality based region means that I’ve had an extensive (7+ years) exposure to the hospitality industry. Working across all the varied front of house positions I’ve developed a strong ability to communicate with people from all different areas of life. I believe that this is a strong point of my skillset, and I often use this aspect to increase productivity or to de-escalate potential problem situations before they arise.

***Education:***

**University of Melbourne** (Graduated 2019) **–** B-SCI (Mathematics – Major: Statistics and Stochastic Processes)

**Griffith University** (Graduated 2014) **–** BExSc (1st class honours)

* Griffith Award for academic excellence
* Awarded honours scholarship for allied health sciences
* Successful neuroscience honours and research assistant work led to two publications listed in Appendix A

**Appendix A:**

* Characterising neurophysiological mechanisms underpinning lateral epicondylalgia: A case control study. Authors: L. Bisset, M. Carty, M Feldman, J. Kavanagh. *Journal of Science and Medicine in Sport (Vol. 20, e111-e112: 2017)*
* Maximal intermittent contractions of the first dorsal interosseous inhibits voluntary activation of the contralateral homologous muscle. Authors: J Kavanagh, M Feldman, M Simmonds. *Journal of Neurophysiology (Vol. 116, No 5: 2016)*