

Brendan J O'Brien PhD



Personal Information

Mobile: ++61 4 3332 5679

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Domain Expertise:

Software Engineering	6 years
Management	10 years
Biomedical Science & Technology:	22 years
Experimental Design/Statistics	26 years
Tertiary Education:	10 years

“Creative problem solving,” is my mantra.

Running a university research lab is not unlike running a small business. On top of doing great science, you wear the hats of management, finance, and HR, all the while being a great communicator. As an academic, I landed several grants, published in top journals and received awards for teaching excellence. This was all due to creative problem solving; the ability to analyse a problem from many angles and find the best solution. Since leaving academia, I have added python, ruby and java programming skills to my toolbox and now create solutions as a software engineer. I am particularly keen to leverage my background in data analysis to provide data-driven insights for decision making.

My Skills:

Project Management, Data Analysis, Statistics, Experimental Design, Programming, Technical Writing, Teaching/Lecturing

My Coding Toolbox:

Programming: Python, Ruby on Rails, Java, Javascript, jQuery, SQL, Unix, Labview, HTML, CSS

Database: MySQL, Postgres

Version Control: Git, Github, Atlassian

Deployment Pipeline: Github, Codeship, Heroku, AWS

Project Management: Agile/Scrum

Graphics: Adobe CS, GIMP

More Information:

[LinkedIn](#), [StackOverflow](#), [Github](#), [Titanium Cranium](#), [Amazon](#), [Google Scholar](#)

Employment History

<i>Titanium Cranium Enterprises</i> Founder	(1/2015 - present)
<i>Factil.io</i> Software Engineer/Data Scientist	(12/2017 - present)
<i>Gate121</i> Software Engineer	(4/2016 - 8/2017)
<i>Deep Purple</i> Remote Junior Web Developer	(9/2015 - 3/2016)
<i>The University of Melbourne</i> Research Fellow	(1/2012-7/2013)
<i>The Australian National University</i> Lecturer, Psychology & School of Biology	(1/2008 - 12/2011)
<i>The University of Auckland</i> Lecturer, Optometry & Vision Science	(07/03 – 11/2007)
<i>Max Planck Institute for Brain Research</i> Postdoctoral Research Fellow	(2000-2003)
<i>Brown University</i> Postdoctoral Research Fellow	(1997-2000)

Education

Deep Learning Workshop, Silverpond	7/2018
The Firehose Project Web Developer Bootcamp	1/2016
University of Washington Doctor of Philosophy (Neurobiology)	6/1997
University of Northern Iowa Bachelor of Arts (Psychology)	5/1991

References available upon request