

Curriculum Vitæ

James Bruce Richardson

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DOB: 27/01/1988

Education

September 2010 - present *Master of Science (Mathematics)* - in progress
University of British Columbia

- Supervisor: Dr. Ailana Fraser
- Received Research Assistantship, value \$8000

2009 - March 2010 *Bachelor of Science (Pure Mathematics) (Hons)*
Monash University

- Average percentage: 95%, Average grade: HD
- Winner of the 2009 Pure Mathematics Prize
- Received Honors Scholarship, value: \$2000
- Supervisor: Dr. Todd Oliynyk

2006 - 2008 *Bachelor of Science*
Double Major: Pure and Applied Mathematics
University of Western Australia

- Average over 3rd year - percentage: 83%, grade: HD

Publications

- A. Fraser, J. Richardson *Diameter Bounds for Stable, Minimal 2-Manifolds inside 3-Manifolds with Positive Scalar Curvature*. In preparation.
- S. A. Halse, M. D. Scanlon, J. S. Cocking, H. J. Barron, J. B. Richardson and S.M. Eberhard *Pilbara Stygofauna: Deep Groundwater of an Ancient Landscape Contains Globally Significant Radiation of Biodiversity*. In preparation.

Other Notable Academic Activities

- I participated in the 2011 International Congress on Industrial & Applied Mathematics (ICIAM) in Vancouver. I did eight hours of volunteering and attended numerous talks and workshops.
<http://www.iciam2011.com/>

- I participated in the 2011 MSRI workshop: The Dirichlet Space at UC Berkeley in San Francisco from June 20, 2011 to July 1, 2011. I received full financial assistance for this workshop.

<http://www.msri.org/web/msri/scientific/workshops/show/-/event/Wm552>

- To complete my honours degree I took part in the 2010 AMSI summer school. I completed the unit Measure theory, taught by Dr. Marty Ross and received a grade of 93%. I received full financial assistance for the school.

<http://www.amsi.org.au/index.php/events/322-amsi-summer-school-2010>

Employment History

September 2010 - present *University of British Columbia*

Teaching Assistant, duties include:

- Grading assignments, holding office hours
- Working as a 'drop in tutor' in the Math Tutorial Centre

March 2010 - July 2010 *Bennelongia Environmental Consultants*

Environmental Scientist, duties included:

- Assisting other Bennelongia staff with environmental assessments - data manipulation and analysis and reporting

Community Based Activities

November 2011 - present *SIFE: Let's Can Hunger - Research Director*

I am currently volunteering in the Let's Can Hunger project within SIFE and hold the position of research director. More information can be found here:

<http://sifeubc.com/LCH.html>. My duties include:

- Performing statistical analysis on our impact on food insecurity in Vancouver
- Working with other SIFE members and completing a needs assessment on our project area

November 2011 - present *Mathematics Graduate Committee - Committee Member*

I am currently a member of the Mathematics Graduate Committee (MGC).

We meet fortnightly and discuss issues or concerns relevant to the math grad community.

Career Objectives

My main career objectives involve working at some capacity on interesting and important real world problems. I would like to gain further experience to develop my research and analytic thinking skills. I feel my academic records indicate I am capable of this and I am prepared to work hard to achieve my goals.

Personal Skills/Interests

- I am an enthusiastic hard worker with self discipline and a strong work ethic, I look to challenge myself at every opportunity.
- I am an effective communicator having given numerous talks aimed at all levels of education and have had years of experience as a teaching assistant. I am able to explain ideas in a clear, concise manner.
- I am physically fit, confident, honest and reliable.
- I am an active member of the Varsity Outdoor Club (VOC), I enjoy outdoor activities including: hiking, camping, rock climbing, skiing and snowboarding.

Referees

- Dr. Stuart Halse
Employer at Bennelongia Environmental Consultants
Bennelongia Environmental Consultants
PH: +61 8 9285 8722
stuart.halse@bennelongia.com.au
- Dr. Todd Oliynyk
Research Mathematician and Lecturer at Monash University, Supervisor for honours thesis.
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- Dr. Pengzi Miao
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