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# Matthew van Bommel

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matthewvanbommel.com

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## TECHNICAL SKILLS AND EXPERIENCE

### Languages

Proficiency: R, LaTeX  
Experience: Java, Excel, HTML, CSS  
Exposure: Python, SQL, Git

### Data Sources

SportVu Player Tracking Data  
Web Scraping  
Simulation

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## EDUCATION

### Master of Science in Statistics

Supervisor: Luke Bornn  
Expected Graduation: Spring, 2017

Simon Fraser University  
Burnaby, British Columbia  
2015 – Present

### Bachelor of Science with Honours in Mathematics and Statistics

Supervisors: Hugh Chipman and Pritam Ranjan  
Thesis: A Stage-Wise Surrogate Modelling Algorithm for Tidal Power Simulators

Acadia University  
Wolfville, Nova Scotia  
2011 – 2015

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## RESEARCH AND WORK EXPERIENCE

### Research Assistant

Spatio-temporal models with applications in basketball analytics

Simon Fraser University  
2015 – Present

### Research Assistant

Computer experiments with applications in tidal energy

Acadia University  
2012 – 2015

### Teaching Assistant

Assisted instructors with the presentation of tutorials, evaluated student assignments, and provided tutoring services

Acadia University  
2012 – 2015

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## CONFERENCE PRESENTATIONS AND AWARDS

### The Van Exel Effect: Adjusting for Scorekeeper Bias in NBA Box Scores

MIT Sloan Sports Analytics Conference (Research Paper Poster)

2016

### A Stage-Wise Surrogate Modelling Algorithm for Tidal Power Simulators

Statistical Society of Canada Annual Meeting

2014

Student Research Presentation Award

Statistics on Reels Video Abstract Competition Winner

Student Travel Award

Science Atlantic Mathematics, Statistics, and Computer Science Conference

2013, 2014

First Place, Statistics Oral Presentation Research Award

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## VOLUNTEER EXPERIENCE

<b>Statistics Graduate Student Caucus</b> Graduate Student Society Representative	Simon Fraser University 2015 – Present
<b>Mathematics and Statistics Society</b> President Seminar Series Coordinator Vice President	Acadia University 2014 – 2015 2013 – 2015 2013 – 2014
<b>Athletic Official</b> Officiated events at the Nova Scotia provincial games	Special Olympics 2012, 2013, 2014

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## AWARDS AND FUNDING

<b>Alexander Graham Bell Canada Graduate Scholarship</b> (\$17,500) Master's Level	NSERC 2015 – Present
<b>Graduate Entrance Scholarship</b> (\$3,000)	Simon Fraser University 2015
<b>Chipman Silver Medal</b> Awarded to the graduating student from the Faculty of Pure and Applied Science with the second highest overall average	Acadia University 2015
<b>University Scholar</b> Awarded to graduating students who have obtained an overall average of "A-" and have obtained no mark below "B-" in any course	Acadia University 2015
<b>Board of Governor's Renewable Scholarship</b> (\$32,000)	Acadia University 2011 – 2015
<b>Acadia Excellence Renewable Scholarship</b> (\$10,000)	Acadia University 2011 – 2015
<b>Dean's List</b> Awarded to the top 5% of non-graduating students in each faculty	Acadia University 2012, 2013, 2014
<b>Undergraduate Student Research Award</b> (\$4,500)	NSERC 2013, 2014
<b>Statistical Society of Canada Scholarship</b> (\$1,000) Awarded on the recommendation of the department to a third or fourth year major who intends to pursue studies in statistics	Acadia University 2013, 2014
<b>Douglas and Frances Snow Scholarship</b> (\$1,000) Awarded to a third or fourth student on recommendation of the department on the basis of academic merit	Acadia University 2014

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