

Lee Clement

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Education

2010 – Present **Bachelor of Science** (University of Manitoba)
Major: Physics Minor: Computer Science
GPA: 4.40 / 4.50

2006 – 2010 **Bachelor of Commerce** (University of Manitoba)
Major: Accounting
GPA: 4.06 / 4.50 Graduated with Distinction

Experience

Summer/Fall 2012 **ADCS Team Member**
University of Manitoba Space Applications And Technology Society
Developed, implemented, and tested attitude determination and control algorithms in MATLAB and C for use on the UMBUG triple pico-satellite
Achieved 2nd place overall in the Canadian Satellite Design Challenge

Summer 2012 **Undergraduate Research Student** (Supervisor: Dr. Jason Fiege)
Department of Physics and Astronomy, University of Manitoba
Adapted, optimized, and tested genetic-algorithm-based galaxy modelling software (GalaPAGOS) for modelling bipolar outflows

2010 – Present **Coder**
Ipsos Reid, Winnipeg, Manitoba
Analyze and aggregate survey responses to generate meaningful data
Manage a multi-project schedule with tight deadlines

2009 – 2012 **Student Grader**
Department of Accounting and Finance, University of Manitoba
Graded exams and assignments for introductory and upper level courses,
and identified and corrected errors in solution keys

Awards and Honours

2012 **C.P. Loewen Family Foundation Scholarship in Physics** (for a full-time student who has completed at least one year of study at the University of Manitoba and enters the Honours or Major program in the Department of Physics with the highest academic standing among all eligible students)

Centennial Scholarship in Physics (for full-time students who have completed at least one year of full-time study with high academic standing and enter or continue in a Honours program in the Department of Physics and Astronomy)

University of Manitoba Student Union Scholarship (for excellence in academic achievement at the University of Manitoba)

University of Manitoba Merit Award
NSERC Undergraduate Student Research Award
Dean's Honour List

2011 **Centennial Scholarship in Physics** (for full-time students who have completed at least one year of full-time study with high academic standing and enter or continue in a Honours program in the Department of Physics and Astronomy)

Nelson Education Textbook Award (for the student achieving the highest grade in a course using Stewart's *Calculus* textbook)

University of Manitoba Student Union Scholarship (for excellence in academic achievement at the University of Manitoba)

Dean's Honour List

2010 **University of Manitoba Student Union Scholarship** (for excellence in academic achievement at the University of Manitoba)

Inducted into Beta Gamma Sigma Honours Society (the highest international scholastic designation offered by business schools)

Dean's Honour List

2006 – 2009 **University of Manitoba Student Union Scholarship**
I.H. Asper School of Business Entrance Scholarship
University of Manitoba International Baccalaureate Entrance Scholarship
Hogg Centennial Entrance Scholarship
Barney Charach Scholarship
Manitoba Association of Health Care Professionals Scholarship

Dean's Honour List

University 1 Honour List

Skills

Languages **English** (Mother Tongue), **French** (Fluent)

Programming Languages **MATLAB, C, Java, Prolog**

References

Dr. Jason Fiege, Associate Professor
 Department of Physics and Astronomy, University of Manitoba
fiege@physics.umanitoba.ca
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Dr. John Anderson, Professor, Head
 Department of Computer Science, University of Manitoba
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