Dylan Braam

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Summary

- Real-world experience working in data analytics, visualization and business intelligence as a Simulation Consultant at Ausenco
- Strong educational background in physics and electrical engineering, including probability and statistics
- Programming experience in Python, Java and JavaScript, and using git for version control within team projects

Work Experience

Simulation Consultant, Ausenco, Vancouver BC **September 2015 – July 2016**

- Designed simulations of complex mine-to-port and marine supply chains using Ausenco's Transportation and Logistics Simulation software
- Performed data analysis using Excel, VBA and Python to calculate inputs from large data sets and analyzed the results of the simulation
- Created detailed documentation of inputs, analysis, and results and performed peer reviews on team members' projects to ensure quality and correctness of all results sent to clients

Residence Don, Queen's University, Kingston ON **August 2013 – April 2015**

- Acted as a mentor, advising over 80 students on personal and academic matters, and making referrals to University or community services
- Created new and innovative community programming specifically for a cluster of 17 computer science students on the floor aimed at developing personal and professional growth outside the classroom

Undergraduate Research Assistant, Simon Fraser University, Burnaby BC **April 2014 – August 2014**

- Received an NSERC grant to assist the Sonier Research Group with μSR experiments at the TRIUMF Centre for Molecular & Materials Science
- Created predictive models in MATLAB and performed data analysis on results, while working independently to create models to assist other members of the research team

Education

Queen's University, BSc, Engineering Physics, Electrical Option **Sept. 2011 – June 2015**

- GPA of 4.02 on a 4.3 scale
- Received the H.G. Conn graduating award for valued and distinguished service to the Engineering Society and University in non-athletic, extra-curricular activities
- Fourth year coursework included nuclear reactor design, particle physics, biomedical engineering, control theory and a thesis designing a 24V solar power system for an off grid home
- Design projects have included designing a robotic camera mount, building a pulse oximeter and building and programming a line following robot and autonomous quadcopter
- Member of two a cappella groups on campus and had a strong interest in student government and politics, serving as a voting member of the AMS Assembly and EngSoc council

Languages and Tools

Advanced: Python, MATLAB

Intermediate: VBA, JavaScript, Java, SQL, Git, SourceTree, Bash

Novice: HTML, CSS, JQuery