Alan Daniels

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Education

St. Andrew's College (Sept 2008-May 2012)	**University of Toronto** (Sept 2012-Present)
Top 10 Scholars (Grade 9-12)	Faculty of Engineering
Graduating Average: 96%	Engineering Science 3nd Year: ECE Option
Schulich Leader Nominee	Cumulative GPA: 3.32

Engineering Experience

Engineering Design: Building a Flashlight Testing Machine   (Jan 2014-Apr 2014)
- Worked with a team of 3 to build a complex machine.
- Performed extensive unassisted research, survey, and problem solving.
- Built strong group dynamics.
- Acquired much electromechanical, circuitry, and microprocessor experience.
- Practiced professional organizational techniques such as Gantt charts and CPM.

UTEK: Vehicle Design for Extreme Conditions   (Jan 2014)
- Produced a design prototype and product pitch in a team of 4.

Praxis II: Designing a Writing Utensil for Individuals with Parkinson's Disease   (Jan 2013-Apr 2013)
- Developed a high-fidelity conceptual design and product pitch in a team of 4.
- Completed extensive community analysis and research.
- Exercised development of product metrics.
- Performed vast amounts of prototyping and implemented testing protocol.
- Communicated concept through showcase presentation and Q&A.

Extracurricular

Hacker Academy – Programming and technology club. Engaged in weekly   (Sept 2012-Present)
discussions, programming competitions, the 2013 Microsoft Hackathon.
Executive for 2014-2015 year.

University of Toronto Aeronautics Team - Aircraft design and simulation. Airfoil   (Sept 2012-Jan 2014)
design using XFOIL. Examining CAD and hand drawn designs. Large team design.

New College Residence Council – House representative; planned events and   (Sept 2013-Present)
ensured satisfactory operation.

Volunteering

Gallanough Resource Centre   (May 2010-Sept 2010)
- Organized material, assisted patrons, ran private computer lessons.
- Assisted in multiple library programs, such as helping children assemble crafts and leading a book discussion group.
- Filled in for library technicians, checking material in and out.
- Managed catalogue removal of VCRs.

Programming Experience

- Created my website with Ruby on Rails: alandaniels.herokuapp.com.   (Apr 2014-Sept 2014)
- Developed a game with Java.   (Apr 2014-May 2014)
- Experienced with C, C#, MATLAB, Verilog, and Assembly.   (Sep 2012-Apr 2013)