

Bill Graydon

Telephone: 416-586-9564 ext 3244
Email: b.graydon@mail.utoronto.ca

40 Willcocks Street, Toronto, Ontario
billy.scienceontheweb.net

Technical Qualifications

- Fluent in C, C++, Pascal, Java, MATLAB/Octave and .NET; worked in x86 assembly, Smalltalk, FORTRAN and Python before, as well as Processing for arduino programming.
- 12 months experience in high-performance computing; worked with OpenMP and MPI.
- 6 years experience in website design; experienced in HTML5, XML, PHP, JavaScript, and CSS3.
- Fluent in Verilog hardware description language; created a working microprocessor from scratch using it.
- Worked on many programming and computer related projects personally, professionally and for volunteer purposes. Some are posted on my website at billy.scienceontheweb.net.

Work Experience

- University of Toronto Network Infrastructure Lab: Working on the Connected Vehicles and Smart Transportation project to develop robust Dynamic Traffic Assignment algorithms to reduce traffic congestion (May 2013-present)
- Digital Sign Technologies: worked in Windows software development doing desktop applications for file synchronisation with a server in C#.NET and C++. (December 2012-January 2013)

Education

- In second year Electrical and Computer Engineering at the University of Toronto.
- Received Ontario Secondary School Diploma with honours from Martingrove Collegiate Institute (96.0% average) (June 2012)
- Wrote eight Advanced Placement exams; Received 5 on Computer Science, Calculus AB, Physics B and Physics C: Electricity and Magnetism, 4 on Chemistry, Biology, Statistics, and Physics C: Mechanics.

Extra-Curricular Involvement and Volunteering

- Engineering Society Computer Systems Administrator (May 2013-present)
 - Involves overseeing all Engineering Society computer systems, including three servers and all society communications networks.
- Engineering Society Ombudsman
- Counsellor for DEEP (July 2013)
 - Included teaching and running activities for latter two days.
- Coached the Martingrove Collegiate Institute Engineering Idol Team to a 1st place win in the 2013 competition; part of Engineering Idol planning committee this year (January 2013-present)
- Received Certification to be a leader for all five sections of Scouting (November 2012); acting as one for camps throughout the year.

Bill Graydon

Telephone: 416-586-9564 ext 3244
Email: b.graydon@mail.utoronto.ca

40 Willcocks Street, Toronto, Ontario
billy.scienceontheweb.net

- Tetra Society Promotions Director (September 2013-present), Member (September 2012-present)
 - Involves designing assistive devices for people with disabilities.
- University of Toronto Engineering (Skule) Orchestra (September 2012-present)
 - Member September 2012-present, webmaster May 2013-present
- University of Toronto Engineering Brass Quintet (September 2012-present)
- University of Toronto Emergency First Responders (September 2012-present)
 - Executive Director, involves overseeing all activities within the organisation
 - Training Director, involving running bi-weekly first aid workshops and organising courses (May 2013-April 2014)
 - Acting as shift supervisor, which involves overseeing all responders on a given shift.
- Scouting (September 1999-present)
 - Acted as a leader and volunteer at countless camps, both running programs for younger members and administering first aid through the Medical Venturer program.

Achievements

- Presenter at the Association for Computer Science Educators 2012 Conference on the uses of MIT's Scratch program in Computer Science curricula. (November 2012)
- Student Member of the Institute of Electrical and Electronics Engineers (IEEE) (October 2012-present)
- Emergency Medical Responder and National Lifeguard Service certifications.
- National Advanced Placement scholar (June 2012)
- Chief Scout's Award (October 2009)
 - This involved completing a set of rigorous requirements in scouting skills.