

Neil Edelman

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Education

2016 BSE McGill University Software Engineering;
2011 BSc McGill University Physics.

Experience

2014 – Big Buddies tutoring: École FACE, Marymount Academy;
2014 – Kids Code Jeunesse: St. Gabriel School, Notman House;
2016 Canada Wide Science Festival – Expo-sciences pancandienne volunteer;
2013 – 2016 Computer Science Undergraduate Society Help Desk tutor;
2015 – 2016 Promoting Opportunities for Women in Engineering conference volunteer;
2014 – 2015 Walksafe walker;
2013-08-27 McGill’s Tomato Harvest cooking;
2013-06-10 Registration and Advising for CEGEP Engineering Entrants volunteer;
2013 PEACE by PEACE organising and leading;
2011 – 2013 Old Brewery Mission server;
2010 lab researcher, McGill Pulp and Paper; preparing monolayers of protein, using atomic force microscopy, scanning tunnelling microscopy, spectroscopy, and fluorescence spectroscopy.^[1]

Qualifications

2010 Workplace Hazardous Materials Information System (WHMIS-SIMDUT) training for laboratory personnel;
2001 St John Ambulance standard first aid certification;
2001 Private Pilot License and Restricted Radio Operator Certificate.

Major Projects

2015–2016 ePark Network: group of four, various technologies for commercial off-grid charging network;
1999–2000, 2015–2016 Void space game using the gpu; DirectX, OpenGL; C;
2015 414Mud: group of two, network of users; Java;
2014 Restaurant Management System: group of eight in Agile; sql;
2013 Swagbot: group of four; programme a robot to detect obstacles; nxj Java;
2001, 2013 Obfuscator stream cipher private-key encryption; C, Windows gui, command-line;
2012 Poker: group of six in Agile on a networked client-server; Java;
2000, 2011 OSS text-adventure game for the web; C;
2010 Pandorica ray-tracer; Java;
2009 Magnetic finite-element simulation; C, OpenGL;
2008 MakeIndex content management system; C;
2007 Sudoku solver; Java;
2006 Find patterns email filter using bioinformatics; C.

Publications

[1] K. V. Korpany, P. Langat, D. M. Kim, N. Edelman, D. R. Cooper, J. Nadeau, and A. S. Blum, “Conductance switching in the photoswitchable protein Dronpa,” *Journal of the American Chemical Society*, vol. 134, no. 39, pp. 16119–16122, 2012.