

Education

2008	Continuing Studies University of Toronto , Toronto, Canada <ul style="list-style-type: none">• SCS 1996: Working With The Media• SCS 1665: University Lecture Series
2007	Athabasca University , Athabasca, Canada (distance education) <ul style="list-style-type: none">• ECON 247: Microeconomics
1999-2004	Bachelor of Mathematics Double Honours University of Waterloo , Waterloo, Canada <ul style="list-style-type: none">• Computer Science and Combinatorics & Optimization• Co-operative Education• Elective courses in chemistry, physics, philosophy, political science, economics

Work Experience

Feb-05 to Jan-08 (currently on leave)	Senior Site Reliability Engineer, Team Lead, Tech Lead Google , Dublin, Ireland (based in Toronto, Canada from Sep-07 to Jan-08) <ul style="list-style-type: none">• Handled critical production operations, for Gmail, Google Accounts, and BigTable (a distributed, highly available internal data storage system), including on-call emergency response• Became Technical Lead for BigTable production operations, providing leadership for a team of seven and working with a software development team;• As tech lead, held primary responsibility for protecting the reliability of the service while driving rapid improvements to scalability, efficiency, performance and features• Helped with capacity planning and developed metrics to understand the system's growth and bottlenecks• Fostered a data-driven approach to making decisions and an open, positive atmosphere for discussing and challenging both new ideas and the status quo• As team lead for several team members in Dublin, handled basic personnel issues including setting objectives, weekly one-on-one meetings, delivering feedback, and worked with higher management to deal with under-performance• Interviewed dozens of candidates, both over the telephone and on site• Received two job-level promotions, exceeding the normal rule for rate of promotion
Sep-04 to Jan-05 (contract)	Research Assistant National Research Council of Canada , Ottawa, Canada JohnnyVon <ul style="list-style-type: none">• Explored pioneering ideas in self-replicating continuous-space automata theory• Released Java-based simulation under the open source GNU General Public Licence• Viewable online at http://www.purl.org/net/johnnyvon/
May-02 to Aug-02 (co-op)	MedlineExplorer <ul style="list-style-type: none">• Extracted meaningful information on terms from 15,000,000 scientific papers
Sep-01 to Dec-01 (co-op)	Research Assistant University of Oulu , Oulu, Finland <ul style="list-style-type: none">• Co-developed techniques for exploring inter-gene relationships in real time• Iteratively developed a flexible, intuitive user interface and worked with test users to demonstrate these techniques
Sep-03 to Jun-04 (co-op, contract)	Research Assistant University of Oulu , Oulu, Finland <ul style="list-style-type: none">• Rapidly created and deployed a flexible survey system for mobile devices• Worked as part of a team developing a distributed, location-aware mobile services architecture, including maps, advertising, chat, and other tools

Publications

- Ewaschuk, R., and Turney, P. (2006) Self-replication and self-assembly for manufacturing, *Artificial Life*, 12, 411-433.
- Smith, A., Turney, P., and Ewaschuk, R. (2003). Self-Replicating Machines in Continuous Space with Virtual Physics. *Artificial Life*, 9, 21-40

Affiliations

- Executive, Trinity-Spadina Green Party of Canada Electoral District Association, 2007-2008
- Founding Member, Google Ireland Green Committee, 2007
- Board of Directors, The uwstudent.org Media Corporation, 2003-2004
- Board of Directors & Representative Council, University of Waterloo Federation of Students, 2003

Interests & Activities

- Long-distance cycling and travel
- Politics, international economics, trade and environmental policy
- Vegetarian cooking and nutrition

References

- Available on request