

In 10 seconds: An ideas kind of person with a perfectionist streak who believes in making things happen. Background in tech, I tend to be a builder who enjoys working with others to do something about our environment, instead of just talking about it. Been in the military, founded a startup for nonprofits, and have met 2 personal heroes in life.

AWARDS: Winner (Over \$10K), Apps4Edmonton 2010 (Apps Competition, "The Way We Plan" with [StatsYEG](#)), 2010 Runners Up (Over \$40K), TEC VenturePrize 2010 (Alberta-wide Business Plan Competition), 2010 Golden Geer Award (in recognition of years of outstanding service to engineering students), 2009 From Shell, the Top-Valued Engineering Undergraduate Leadership Award, 2006 - 2007 and 2006 - 2005 University of Alberta Scholarship, 2008 - 2009, Jason Lang Scholarship, multiple times National (Canada) In-Course Millennium Excellence Award, 2004 - 2005

ACADEMICS: Average Graduating GPA of 3.9 (last 2 years), Graduated with Distinction University of Alberta BSc in Electrical Engineering with the Co-op Option, June 2009

WORK EXPERIENCE:     

- Darkhorse Analytics (Edmonton), CTO Feb 12 – Ongoing
 - Manage multiple software-driven projects and initiatives within the company
 - Currently growing development staff, implemented several I.T. related infrastructural projects
- BoardSuite Corp (Edmonton), Director of Technology Development Feb 11 – Jan 12
 - Assembled, trained, and managed development team, Migrated existing tech to open source platforms
 - Took over product management, forecasting and planning responsibilities
 - Implemented Agile processes + mindset, generated technology documentation and intellectual property
- nForm User Experience (Edmonton), Contracted Developer Oct 10 – Jan 11
 - Led development and fleshed out features and functionality on new, V1 product
 - Responsible for implementation of critical and sensitive components (such as authentication and admin tools)
 - Delivered fully functional product ahead of timelines and schedules
- Firenest Innovations Inc (Edmonton), CEO and Co-founder Apr 09 – Oct 10
 - Directed company, business strategy and execution
 - Development of full business plan and delivered company presentations, pitches → VenturePrize runners up
 - Responsible for front-end UI, UX design plus initial infrastructure development
 - Lead market research, customer feedback and acquisition efforts
- Degree-Required Co-op + Summer 3-4 Month Work Terms, ~2 Years Total Required from 2004,
 - * **Received highest possible "Excellent" grade on each of my Co-op Work Terms from employers**
 - Microsoft Startup Labs (Cambridge, MA), Intern Program Manager Summer 08
 - Managed the execution of three concurrent projects for a future product line
 - Fleshed out concept, created deck, and presented proposed product to senior C-Level management
 - Attended several Web 2.0 forums, sessions, events throughout Boston and Cambridge
 - Microsoft Visual Studio Team System: Team Dev (Redmond, WA), Intern Program Manager Summer 07
 - Collaborated with various teams for research project on a future product
 - Designed and implemented a unique, trackable online repository for project
 - Produced award-winning project for a Microsoft-wide intern design competition
 - Microsoft Windows Live ID (Redmond, WA), Intern Program Manager Fall 06
 - Worked on improving partner/Live ID experience, collaborated with MS Research on internal project
 - Delivered on functional specs for CardSpace and rich-client Windows Live ID auth integration
 - Community Committee Member, Microsoft's 1st Asian Pacific Leadership Development Conference
 - Research In Motion: RTS (Waterloo, ON), 3GPP Compliance Specialist Winter & Summer 06
 - Developed Project Management tools and Asset Management System
 - Produced a 32-page co-op report on the future of the wireless (telecommunications) industry
 - Worked with GSM, GPRS, EDGE, UMTS technologies, wireless industry operations
 - Mediashaker Inc (Edmonton), SW Developer Summer 05
 - Developed on Mediashaker's CMS (Content Management System)
 - Liaised and met various clients' software development needs for multiple projects

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~ Page 2 ~

- Worldwide Link Ltd: IT Group (Edmonton), Associate Summer 04
 - Developed company site, filtering programs, represented Worldwide Link Ltd in Kuala Lumpur
 - Planned, Rolled out solutions to Worldwide Link's growing I.T. infrastructural needs
- Ministry of Defense (Singapore), Training R & Management Centre, Mandatory Military Service Oct 00 – Feb 03
 - Developed a multi-user DBMS, did projects in India, Australia (details in *International Experience*)
 - Won several national (Singapore) awards for safety and efficiency projects
- DBS (Singapore), Credit Risk Policy & Monitoring Sep 99 – Aug 00
 - Developed and helped perform training for two separate corporate credit analysis applications
 - Oversaw programs' and project completion, maintenance and enterprise/server deployment

ADDITIONAL TECHNOLOGY EXPERIENCE:

- Interest in technology, startups (Techcrunch, GigaOM, Techvibes, Guy Kawasaki, Giz, etc), TED, etc
- Recently developed StatisticsEdmonton.com, "maptistics" + custom data for Apps4Edmonton competition, won > \$10K (2010)
- Created working Bluetooth and RFID projects that communicate tag information and computer control
- Produced award-winning project for a Microsoft-wide intern design competition
- Won with the EE Team, the University of Alberta's Engineering Week's multidisciplinary Design Competition. (2007)
- Developed program to quickly solve "Ultimate Puzzle" with $\sim 9 \times 10^{22}$ combinations with C++ (Project Steppingstone)
- Development in PHP, SQL, XML, CSS, JQuery, Matlab, VB, C++ with Codewarrior, Eclipse Netbeans, VS, Linux & Windows
- Designed with assembly on the Motorola 68000 microprocessor to output characters with diode arrays & verify input checksums
- Experience with Agilent 8960, Rohde & Schwarz equipment, wireless protocols (2G, 3G) technology & operations
- Worked with GSM, GPRS, EDGE, UMTS technologies, wireless industry operations at Research In Motion
- Developed Reversi/Othello game with VBA, versed in Intellectual Property (patents) procedures, requirements

INTERNATIONAL, NATIONAL EXPERIENCE:

- Student Delegate, 1st Canadian Engineering Summit 2009, Montreal May 2009
- Nationals Competitor, Innovative Design at the Canadian Engineering Competition 2009 March 2009
- Director of Programs, Canadian Federation of Engineering Students Congress 2008 Oct 07 – Jan 08
- Presenter, Harvard Project for Asian and International Relations Academic Conference, Beijing Aug 2007
- Selected delegate, Harvard Project for Asian and International Relations Business Conference, Hong Kong Aug 2007
- Delegate, Cyberposium 12, Harvard Business School, Tech-focused MBA Conference, Harvard, Massachusetts Nov 2006
- Selected delegate, Harvard College Asian Business Forum (HCABF), Mumbai, India Aug 2006
- Delegate as chapter executive to Optics & Photonics 2005 (San Diego), Photonics West 2006 (San Jose) 2005, 2006
- Represented Worldwide Link Ltd (Canada) at K-Link International Convention, KL, Malaysia 2004
- Presented at International Convention for Quality Control Circles (ICQCC) in Lucknow, India 2002
- Flew to Australia as part of the Environmental Management Group 2001
- Represented Canada in Hewlett Packard Global Business Challenge & Edmonton-Harbin Sister City Exchange 1998, 1999



Left: "A Mobile Future", a 32-page work term report on the Mobile Future, later presented at the Harvard Project for Asian and International Relations 2007 Academic Conference, Beijing, China.

Right: The **Punch Punch Revolution System (PPRS)**: My fun-game health idea that was, with my project team for our Capstone project, brought from concept to developed prototype. 1st Runner Up for the Western Engineering Competition, went to Nationals (Canada, 2009).

LEADERSHIP EXPERIENCE:

- Mentor for University Capstone Design Projects: Video Blimp and Blind Sonar Projects 2011-2012
- 1st Runner Up (Team), Innovative Design at the Western Engineering Competition 2009 Early 2009
- VP Awareness, University of Alberta Golden Key International Honour Society Chapter Sep 08 – Apr 09
- Representative (as student group executive), University of Alberta Student Union Leadership Summit September 2008
- Director, All divs (~2300 members and staff), Waterloo Cooperative Residence Incorporated (WCRI) July 06 – Mar 09
- Director of Programs, Canadian Federation of Engineering Students Congress 2008 Oct 07 – Jan 08
- Inter-Divisional Council Chair, All divs (~700 members), WCRI May 06 – Aug 06
- Committee Member, RIM Co-op Social Committee, Research In Motion (RIM) + Divisional Chair, WCRI Jan 06 – Apr 06
- President, University of Alberta SPIE Student Chapter May 05 – Apr 06
- Cofounder & Team Member, Project Stepping Stone (details in *Technological Experience*) July 05 – July 06
- Cofounder & Vice President, University of Alberta SPIE Student Chapter + Associate Tech Editor, The Bridge Sep 04 – Apr 05
- VP Academics, First Year Engineering Club Oct 03 – Apr 04