

Brandon C. Brown

Curriculum Vitae

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Education

- 2009–Present **Ph.D. Candidate**, *University of New Brunswick*, Fredericton, NB.
Having completed all course requirements and the oral qualification exams, I am currently building a simulator and performing data analysis.
- 2007–2009 **Masters of Science in Engineering**, *University of New Brunswick*, Fredericton, NB.
- 2002–2006 **Bachelor of Applied Science (Computer Engineering)**, *Queen's University*, Kingston, ON.

Masters Thesis

- Title *An Efficient Architecture for Closed-Loop Power-Control Access*
- Supervisors Dr. Brent R. Petersen and Professor Mary E. Kaye
- Description A cost-effective means to gain access to wireless communication channels is proposed and implemented.

Experience

- 2012–Present **Lead Software Developer**, *C-Therm Technologies*, Fredericton, NB.
- Maintained and improved legacy software packages through incremental changes and bug fixes.
 - Implemented error reporting and tracking procedures.
 - Maintained company IT infrastructure.
 - Currently creating a framework for a new software package which will support future devices.
- 2006 **Application Programmer / Application Designer**, *Computer Talk Technology*, Richmond Hill, ON.
- Ensured new software met high performance expectations from both an administrative and user point of view.
 - Worked with customers to modify and improve existing solutions based on current and future needs.
 - Worked on site with customers to identify their needs and how best to meet them by assisting with the high level design of a customized solution.
- 2005–2006 **IT Support Staff**, *Queen's University*, Kingston, ON.
- Effectively communicated to help students and faculty on a one to one basis with hardware and software issues either in person or over the phone.
 - Cleaned computers of potentially harmful viruses and spy-ware.
 - Answered questions submitted on-line and gave instructions on how to remedy computer problems through email.
- 2003–2005 Publishing and Copy Centre
- 2000–2003 City of Cambridge

Awards

- 2011 First Place: IEEE Antennas and Propagation Society Student Design Contest
- 2009–2011 NSERC IPS

Computer Skills

- Languages Java, C#, C/C++, MATLAB, SQL, XML, Assembly, \LaTeX
- Databases MySQL, Postgres, MSSQL, HSQLDB, SQLite, DB2
- Environments Eclipse, IntelliJ IDEA, Microsoft Visual Studio, vim
- Operating Systems Microsoft Windows XP/Vista/7/8/8.1, Linux, OpenBSD
- Web Technologies HTML, CSS, PHP, JavaScript, Node.js, Apache Web Server

Extra Curricular Activities

- 2011–2012 Graduate Student Association (Chair)
- 2011 Association of Electrical Engineering Graduate Students (President)
- 2011 Graduate Student Association (Vice President – Communications)
- 2010 Association of Electrical Engineering Graduate Students (Vice President)
- 2002–2006 Queen's Bands marching band

Community Involvement

- 2011 Shad Valley Robotics Camp
- 2007–2008 UNB Robotics Competition Volunteer
- 2003–2005 Member of the University of Waterloo Stage Band
- 2000–2006 Member of The Duff Tones