

Philip Mark

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Objective: Seeking preferably a summer 4 months (or 8 months) internship in computer software or hardware engineering.

Education

- 2007 - (2011) **B.Eng., Computer Engineering (U3).** McGill University, Montreal. (CGPA: 3.73/4.0)
- 2005 - 2007 **Dipl. of Collegiate Studies, Pure and Applied Sciences.** Vanier College, Montreal.
- *Dean's Honour List (Fall 2005, Winter 2007):* maintaining high academic average.
- 2000 - 2005 **Dipl. of Secondary Studies, Computer Concentration.** Pierre-Laporte High School, Montreal. Courses in 2D/3D graphics and animation, website design and programming.
- 1994 - 2005 **Chinese Language Courses.** Montreal Chinese Catholic School, Montreal.
- *Academic award (1996, 1999, 2000):* award recognition for academic excellence.

Computer Knowledge and Skills

Languages: Java, C, VHDL (Altera Quartus), MIPS Assembly, XHTML/CSS, php, Visual Basic

Graphics: Adobe Photoshop, Adobe Flash, Adobe Dreamweaver, Adobe Premiere, Softimage|XSI

Others: Microsoft Office, OpenOffice.org, Maple, LogicWorks, Pspice, CMS: MODx, Wordpress

Employment Experience

- May 2009 & Summer 2008 **Volt Management Consulting.** Software Tester.
- Tested quality, compatibility, and compliance of software while working closely with the development team.
 - Submitted and tracked software bugs/issues using DevTrack and DevTest (Application Lifecycle Management tools)
 - Followed test scripts assigned by the developers.
 - Accounted for over 20% of all issues found in a 6-man team (Summer 2008).
- 2006 **IGA Marché Duchemin et Frères Inc.** Wrapper and general work.
- Worked in a fast-paced environment.
 - Developed essential teamwork and life skills.

Volunteering and Extra-Curricular Activities

- 2009 - **Technophilic Magazine:** Web designer/developer, and contributor for the undergraduate student technology magazine at McGill University. <http://technophilic.mcgilleus.ca>
- 2009 - **End Poverty Now:** Web administrator for a non-profit organization, End Poverty Now. <http://www.endpovertynow.ca>
- Transfer the old website to a new CMS (MODx)
 - Code and integrate the new templates
 - Regularly update and maintain the website
- 2003 - 2005 **Pierre-Laporte Acti-Aide:** Organizing and coordinating multiple student activities, parent's nights, and other various school events.
- 2004 - 2005 **Expo-Science / Science Fair Bell 2005:** Presenting the mathematics and algorithms behind the "Rubik's Cube".

Projects (Academic)

Wireless Connectivity and WAP Localization (*ECSE 414 – Introduction to Telecommunications*):

Network measurements project to map out network characteristics on Google Maps (team project). [\[link\]](#)

- Coded a Java parser to merge and read log files.
- Used network measurement tools: InSSIDer, NetStumbler to gather data
- Received a grade letter of A for the project

Book2face.com (*ECSE 321 – Introduction to Software Engineering*): a social networking tool for sharing, buying and selling books online developed from scratch (team project). [\[link\]](#)

- Designed and developed the template object for the website.
- Hand-coded the HTML and CSS.
- Applied a modular design for easy integration with the other classes and the MySQL database.
- Worked with team members to develop thorough systems testing documentations.
- Received a grade letter of A for the project.

ECSE 211 Design Project (*ECSE 211 – Design Principles and Methods*): design and code 2 robots using LEGO NXT Mindstorms kits to accomplish specific tasks together (team project).

- Led the software coding portion of the project as the Software Architect.
- Designed the system model/architecture and systems algorithms. [\[link to documentation, see p. 11 and pp. 30-50 for more information\]](#)
- Coded many of the software modules needed using BricxCC IDE (language: Not eXactly C).
- Assigned various tasks to team members and assisted them to successfully develop working code.
- Received a grade letter of A for the project.

Projects (Non-academic)

Philipmark.net: personal website. [\[link\]](#)

- Designed and developed the website using HTML/CSS and php.
- Used WordPress as the framework for development.

LEGO NXT Mindstorms: design and build various forms of robots using a LEGO NXT Mindstorms kit.

- Visit [\[http://www.philipmark.net/projects.php\]](http://www.philipmark.net/projects.php) for more details.

Languages

English, French, Cantonese

Hobbies and Interests

In my free time, I enjoy playing hockey, badminton, tennis, learning about computers and web designing.

References

Available upon request.