Patrick Perrier

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Technical Skills

Proficient In:	C, C++, Python
Familiar With:	C#, Java, Bash, Javascript, VBScript, HTML, CSS, LaTeX, Powershell
Tools:	Git, Subversion, PTC Integrity/Source, Jira, FogBugz

Work Experience

Sept-Dec 2015

Software Development Co-op at Phoenix Interactive Design, London, ON
VISTAatm Team

Rewrote internal log parsing utility using Visual C# and Excel, adding usage options and greatly improving stability, reliability, and log processing power while maintaining performance.

Developed new internal tools and scripts for various uses (e.g. project reporting, ATM upgrades) using Powershell, Python, HTML, VBScript, and PTC Integrity.

Jan-Apr 2015

Software Developer Intern at SMART Technologies, Calgary, AB
Notebook Team

Added Google Breakpad-based crash reporting, menu buttons to access new add-ons, extended unit test coverage for Notebook SDK by 25%, and fixed bugs for release 15.0 (April 2015) using C++/Objective-C++ and boost on both Windows and OSX.

Invented, planned, designed, and implemented an activity for Notebook LAB, using Javascript, Ember.js, Handlebars.js, HTML5, and CSS3.

May-Aug 2014

Product Verification Team Member at Nakina Systems, Kanata, ON
NI-Director Team

Tested and regressed all elements of NI-Director in preparation of a major product release.

Upgraded old webservice test cases into XML format via Python script for deployment into improved test architecture.

Projects

- **ImgurSwitcher**
  - Cross-platform Python script to download images from an Imgur album and set them as the desktop background when certain key combinations are pressed.
- **HockeyHero**
  - Tinder for beer league hockey players. Currently in development using Glassfish and MySQL.
- **WaterlooC Compiler**
  - C++ implementation of a full compiler toolchain for a restricted subset of the C language.

Education

University of Waterloo, Waterloo, ON
- Candidate for Bachelor of Software Engineering, 2013-2018

Interests and Activities

- Fan of hockey and pick-up sports in general.
- Wide variety of reading; favourite authors include Terry Pratchett and Jim Butcher.
- Learning how to play guitar and saxophone, and generally a music lover from swing to rock to classical.