

PATRICK PERRIER

896 Stanstead Rd, Ottawa, ON Cell: 226-989-6369

paperrie@uwaterloo.ca

Github: pperrier27

TECHNICAL SKILLS

PROFICIENT IN: C++, C, Python

FAMILIAR WITH: C#, Java, Bash, Javascript, VBScript, HTML, CSS, \LaTeX , Powershell

TOOLS: Git, Subversion, Perforce, PTC Integrity/Source, Jira, FogBugz, WinDbg, Visual Studio

WORK EXPERIENCE

MAY-AUG 2016	<p>Driver Developer at AMD, Markham, ON <i>Windows Kernel Mode Driver Team</i></p> <p>Implemented all-new client interfaces for full driver rearchitecture as part of the project scrum team</p> <p>Designed and developed a C/C++ linting tool for internal code quality enforcement by modifying and extending LLVM and clang-tidy.</p>
SEPT-DEC 2015	<p>Software Development Co-op at PHOENIX INTERACTIVE DESIGN, London, ON <i>VISTAatm Team</i></p> <p>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.</p> <p>Developed new internal tools and scripts for various uses (e.g. project reporting, ATM upgrades) using Powershell, Python, HTML, VBScript, and PTC Integrity.</p>
JAN-APR 2015	<p>Software Developer Intern at SMART TECHNOLOGIES, Calgary, AB <i>Notebook Team</i></p> <p>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.</p> <p>Invented, planned, designed, and implemented an activity for Notebook LAB, using Javascript, Ember.js, Handlebars.js, HTML5, and CSS3.</p>
MAY-AUG 2014	<p>Product Verification Team Member at NAKINA SYSTEMS, Kanata, ON <i>NI-Director Team</i></p> <p>Tested and regressed all elements of NI-Director in preparation of a major product release.</p> <p>Upgraded old webservice test cases into XML format via Python script for deployment into improved test architecture.</p>

PROJECTS

- CORTEX-M3 OS
 - Designed and implemented a small micro-kernel operating system for an ARM Cortex-M3.
- IMGURSWITCHER
 - Cross-platform Python script to download images from an Imgur album and set them as the desktop background when keyboard shortcuts are used.
- 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.