PIERRE HANS CORCORAN
SOFTWARE DEVELOPER

PROFILE

Information systems technician with 8 years experience providing end-user support and repairing computers.

Seeking to put my Computer Science education into practice.

CONTACT

PHONE

514-591-3194

EMAIL

phcorcoran@gmail.com

WEBSITE

hcorcoran.com

EDUCATION

August 2008-May 2011   Bachelor of Science   McGill University
- Joint Major in Physics & Computer Science, Minor in Russian Language
- Achieved a cumulative GPA 3.53 by employing excellent work-study time balance
- Assisted in the recommission of the Haystack Observatory Small Radio Telescope at McGill for future educational use, under the supervision of Dr. Victoria Kaspi
- Designed & implemented of a rudimentary PID controller in C using a DAC to interface with a thermocouple and a heater block
- Studied basic GUI programming and algorithms
- Volunteered for SUS Peer Tutoring, assisted students in completing difficult classes

May 2010-July 2010   Certificate   St-Petersburg State University
- Certificate in Russian language
- Developed basic communication skills in foreign country
- Easily adapted to new and unusual situations and people

EXPERIENCES

May 2012-present   Genius   Apple Store St-Catherine
- Promoted for exemplary service and ability
- Performed analysis and repair of thousands of faulty computers and phones
- Developed the ability to communicate clearly and concisely to assist hundreds of customers a month for support

May 2009-May 2012   Specialist   Apple Store St-Catherine
- Swiftly demonstrated ability to identify needs and sell appropriate customer solutions

PROJECTS

July 2012-present   Drive Configurator   Apple Store St-Catherine
- Successfully automated the lengthy testing drive building process, previously requiring ~4 hours of manual employee inputs into a single command input, by writing a Python application that reads a modularly previously determined layout of partitions and test systems and configures the desired hard drive autonomously
- Employed a modular and robust strategy to allow for evolving needs over the years

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May 2012-May 2016   Browser Extension   Apple Store St-Catherine

- Resolved a critical situation where hardware was often misplaced and returned to the incorrect customer, reducing the number of incidents from several a year to nearly zero, by writing a Javascript browser extension that greatly simplified the printing of identifying labels by employees, scraping data from the information page and locally generating a PDF to print

December 2009   WML Compiler   McGill University

- Wrote a compiler in Javascript for an extended version of the Wiki Markup language into a Lisp-like functional language, capable of parsing tokens out of a general Wiki text
- Implemented, as per project requirements, complete lambda calculus functionality, closures, anonymous functions and several other features for education purposes that would not normally be required to parse WML

November 2008   Sudoku Solver   McGill University

- Created an optimized piece of software in Java that would take a Sudoku puzzle as input and return its solution
- Managed to successfully resolve very complex 9x9, 16x16 and 25x25 puzzles under 0.2 seconds, which was part of the challenge for this project

SKILLS & INTERESTS

Apple
- Successfully completed the Apple Certified Mac Technician qualification

Languages
- Achieved proficiency in French and English language, written and spoken
- Developed basic skills in Russian language, written and spoken

Programming
- Experienced in C, Python, Excel for data processing
- Successfully implemented modest projects using HTML, PHP, Javascript, SQL, PCRE as well as Java and Objective-C GUI programming

Electronics
- Experimented in prototyping circuit boards for basic functionalities, including using embedded programming with Arduino to control sensors, actuators and various ICs

Interests
- Woodworking. Built a xylophone, various wooden toys, tools and some small furniture
- Photography. Trained originally to capture amazing sights during my time in Russia
- Astronomy. Developed a passion for stargazing, basic celestial navigation