

Chris Mekarski

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Education

BACHELOR'S DEGREE | UNIVERSITY OF OTTAWA | SEPTEMBER 2012 – MAY 20, 2016

- Field of Study: Honours BSc in Computer Science

Skills & Abilities

TECHNICAL PROFILE

- Hardware and software troubleshooting experience including building computer networks for home and small business use (component failures, driver issues, consumer router configurations).
- Developed AJAX & jQuery based plugins for WET2/WET4, and SQL databases.
- Detected, troubleshooted, and successfully merged a pull request for a bug found in [WET4 \(PR #8188\)](#)
- Experience using Apache, Nginx, Lighttpd, Varnish as web servers, caching, and performance optimization techniques.
- Scripting and automation in Linux using BASH programming with Cron scheduling.
- Experience with applications such as Sublime, Eclipse, PostgreSQL/pgAdmin, Dreamweaver, Notepad++, Beyond Compare.

PROGRAMMING LANGUAGES PROFILE

- **HTML, CSS, JavaScript:** Design and create web applications based on WET4 with several added features while maintaining accessibility.
- **jQuery:** Dynamic form building, form autocomplete, in-line datatables searching.
- **Regex:** Use on a regular basis in conditional statements and text manipulation (find and/or replace).
- **SQL, PostgreSQL:** Designed database schemas with normalization and indexes for optimal query performance.
- **PHP:** Used as the application server for the new Natioal Portal, Decision map creator, and webpage editor.
- **Node.js:** Use as a hobby for home automation (MQTT) notifications, clipboard monitoring on personal desktop to send SSH commands, web page parsing using Cheerio (jQuery).
- **Bash:** Used to easily create automated tasks for scheduling, simple webpage parsing, directory cleanups
- **Perl:** Created a very fast pattern searching+replacing (20,000+ patterns) over many files with threading.
- **Python:** Created a simple Pygame spaceship shooter. Edited various python based cli applications.
- **Java:** Edited a client-server messaging system to create a customer relations system for filing complaints, propositions, and solutions.
- **Android SDK (Java):** Created a simple tip calculator using Google's material design elements, added support for Android Auto to my favourite open source internet (VOiP) SMS app.

NON-TECHNICAL PROFILE

- Analytical and problem solving skills (debugging, choosing the most efficient algorithm/big O).
- Customer relationship skills (developed while working part-time at a local grocery store as well as responding to support tickets in my current job at CRA).
- Team-work skills (working closely with my team at CRA to design and maintain several web applications).

Work Experience

NOVEMBER 2018 - PRESENT | CANADA REVENUE AGENCY, OTTAWA ON | SENIOR PROGRAMS OFFICER (SP-08)

- Lead developer of a What you see is what you get (WYSIWYG) webpage editor system using SummerNote, several plugins and customizations to very easily edit old template (WET2) and new template (WET4) web pages
- Development of dynamically generated homepage and navigation system for manuals with use of several plugins (Isotope.js, Moment.js, Elasticlunr, Fuse.js, Select2.js)

JUNE 2018 – NOVEMBER 2018 | CANADA REVENUE AGENCY, OTTAWA ON | PROGRAMS OFFICER (SP-07)

- Conversion of manuals into WET4
- Creation of several plugins for the re-designed National Portal such as desktop notifications, a date calculator, and specialized events pages
- Lead developer of a decision tree creator with multiple user friendly views (list, connections, and pop-up)

JUNE 2016 – JUNE 2018 | CANADA REVENUE AGENCY, OTTAWA ON | JUNIOR PROJECT OFFICER (SP-05)

- Communicating effectively with clients
 - provide ongoing support for our applications
 - assisting in drafting requirements: capturing the underlying needs of an application before undergoing development
- Involved in maintaining and run-time optimization of older applications, development of reporting tools and web plugins
- Lead developer of several web applications:
 - a drop-box like web application with download reports and easily update/replace files without the need of tickets
 - a complete survey system with embedding, email, enhanced reporting, show/hide questions based on user responses
 - an organization activity tracking system for tracking and reporting on client interactions
- Worked on the development of several web applications:
 - re-designed our team's helpdesk system using Angular for responding to and tracking page upload requests
 - conversion of our Learner's Assessment System to WET4

JULY 2015 – JUNE 2016 | CANADA REVENUE AGENCY, OTTAWA ON | UNIVERSITY STUDENT

- Completed client support tickets in an effective and time-sensitive manner (usual same day)
- Worked alongside colleagues to implement features and usability improvements for our Learner's Assessment System

References available upon request