

Ducarmel Rodchild Zephyr  
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Skills

Programming Languages : HTML & CSS (including Bootstrap), JavaScript, jQuery, HTML5 Canvas, C/C++/C#  
Frameworks : JavaScript Web App Frameworks (Knockout), JavaScript Testing Frameworks (Jasmine)  
Version Control Systems : Git  
Operating Systems : Linux, Windows  
Other : Critical Rendering Path, 60FPS Rendering, Object-Oriented Programming, Chrome Developer Tools.

Projects

- **A PDF-file design mockup has been replicated in HTML and CSS.** I developed a responsive website using responsive web design principles and responsive images. Descriptions, images and links for each of the portfolio projects to be completed throughout the course of the Front-End Web Developer Nanodegree are displayed.
- **Online resume using JavaScript and jQuery.** Master the language's syntax through a series of challenges. Each multipart problem mimics a real-life challenge that front-end developers face. I have been required to write clean code and to apply my knowledge of variables, objects, JSON, functions and control flow to successfully solve the challenges.
- **Classic Arcade Game Clone using Object-Oriented JavaScript and HTML5 Canvas.** I have received visual assets and a game loop engine; using these tools I had to add a number of entities to the game including the player characters and enemies to recreate the classic arcade game Frogger.
- **Website Performance and Browser Rendering Optimization.** I have optimized a provided website with a number of optimization- and performance-related issues so that it achieves a target PageSpeed score and runs at 60 frames per second.
- **Neighborhood Map using AJAX and JavaScript Design Patterns.** I have developed a single-page application featuring a map of my neighborhood. I have added additional functionality to this application, including: map markers to identify popular locations or places I'd like to visit, a search function to easily discover these locations, and a listview to support simple browsing of all locations. I have researched and implemented third-party APIs that provide additional information about each of these locations (such as StreetView images, Wikipedia articles, Yelp reviews, etc).
- **Feed Reader Testing using JavaScript Testing.** In this project, I have learn about testing with Javascript. Testing is an important part of the development process and many organizations practice a standard known as "test-driven development" or TDD. This is when developers write tests first, before they ever start developing their application.

Relevant Experience

<b>Programmer</b>	2010-2011
GOVERNMENT OF CANADA, DEFENCE MINISTRY, Montréal, Quebec	
<ul style="list-style-type: none"><li>• I created data table and stored procedures with MS SQL Server 2005.</li><li>• I improved existing MS Access applications with .NET applications using C#.</li></ul>	
<b>Web developer</b>	2009-2010
FORUM ÉCONOMIQUE DE VERDUN, Montréal, Quebec	
<ul style="list-style-type: none"><li>• I created and launched a set of web sites for the organization.</li></ul>	
<b>Technical support</b>	2006-2009
ADP ROSELAND, New-Jersey	
<ul style="list-style-type: none"><li>• I managed linux operating systems</li><li>• I achieved excellent relation with users dealing with software problems</li><li>• I managed website maintenance and update</li><li>• I improved technical documentation.</li></ul>	

Education

Computer Programmer, *Bois de Boulogne College, Montreal, Quebec*  
Front-End Web Developer Nanodegree:  
Courses Taken: Intro to HTML and CSS, Responsive Web Design Fundamentals, Responsive Images, Version Control, JavaScript Basics, Intro to jQuery, Hosting Projects with GitHub Pages, Object-Oriented JavaScript, HTML5 Canvas, Website Performance Optimization, Browser Rendering Optimization, Intro to AJAX, JavaScript Design Patterns, JavaScript Testing.