

Adipa Wijayathilaka

Software Developer
Etobicoke, ON
✉ adipamihi@gmail.com
www.adipa.me

Technical Skills

	Languages	Tools & Frameworks	Other
Experienced	C, C#, JavaScript	Titanium Mobile, Git	VB scripting
Intermediate	C++, Haxe	NodeJS, Sony Vegas	Agile (scrum organization)
Competent	Java, PIC Assembly	AutoCad, ArtCam, Adobe CS3+	Android material design

Experience

- January – **Software Developer**, *Metroland Media*, Toronto, ON.
April 2016 Worked on Save.ca mobile application for Android and iOS. Designed and developed tools to automate data scraping. (JavaScript, Titanium, NodeJS, Web Scraping, Java)
- Implemented better search logic (fuzzy searching, contextual sorting).
 - Wrote webscrapers to quickly update retail store information (data for nearest store location).
 - Designed and developed webscraper to crawl retailers and locate flyers, automating a critical task.
 - Worked with Appcelerator to find and fix issues on the Titanium & official modules.
- January – **Software Developer**, *Metroland Media*, Toronto, ON.
April 2015 Worked on Save.ca mobile application for Android and iOS. (JavaScript, Titanium, Java)
- Developed redesigned application to new design specifications within last half of Q1 2015.
 - Updated source and frameworks to support 64-bit for iOS.
 - Rewrote PayPal and social (facebook, twitter) integration to improve performance.
 - Implemented new frontend UI along with necessary backend changes to the REST api.

Projects

- 2012– **Personal website**, Toronto, ON.
Present Responsive mobile friendly website www.adipa.me to showcase personal projects. (Web design, JavaScript, Jekyll)
- Tool to generate geolocated points with the Google Maps API.
 - Designed and built personal website to showcase my projects.
 - Logo design and artwork timelapses for personal (Boarnoah) YouTube. channel.
- 2013– **Software Development & Video Production**, *Emseers*, Toronto, ON.
Present Developing games and website for the Emseers github.com/Emseers. (Web design, Haxe, Lua, video production)
- Development of a top down turn based strategy for entry to Intel Levelup 2016 with Haxe.
 - Designed blog post widget and general web development for emseers.github.io.
 - Video editing and production for the Emseers youtube channel.
- Spring 2014 **SLAM Robot**, *Computer Engineering*, Toronto, ON.
Designed and built Simultaneous Localization and Mapping Robot. (C, Arduino, Electrical design)
- Designed robot to collision detect and navigate across a room.
 - Used IR rangefinders to map room and navigate with Arudino Uno for processing.

Spring 2013 **Home Alarm System**, *Computer Engineering* , Toronto, ON.

Built IR tripwire based prototype home alarm system with a PIC16. (C, PIC Assembly, Electrical Design)

- Networked PIC16F690 microcontroller to a series of IR tripwires and a Linux PC to detect "intrusion".
- Worked with group to solve the electrical and software challenges involved in designing the system.

Education

2014 – 2016 **(Not Completed) Bachelor's in Computer Engineering**, *University of Waterloo*, Waterloo, ON.

- Fundamentals of Programming.
- Linear Circuit Analysis.

2010 – 2014 **High-school Diploma**, *Martingrove C.I.*, Toronto, ON.

- Computer Engineering, experience with soldering, using oscilloscopes to debug digital circuits.
- Automotive Technology, preparing and writing maintenance reports, performing maintenance repairs to vehicles.

Interests

FOSS One of my goals is to contribute in a meaningful way to an open source project.
PC Gaming Active in the Arma community.