

## Skills Summary

- Use of Object-Oriented programming concepts with C#, Java, JavaScript, and Python to solve real world problems
- Adept and passionate at web design and web development using different frameworks, languages, and API's
- Familiar with software development design patterns and procedures
- Starting and managing web projects and web applications from scratch
- Code refactoring for efficiency and maintainability
- Good knowledge and experience with version control such as SVN and Git
- Solid understanding of VHDL and hardware design

## Technical Skills

Languages	IDE's	Web	Version Control
C#	Eclipse	HTML5 / CSS	Git
Java	Android Studio	Bootstrap	SVN
JavaScript	WebStrom	Angularjs	
Python	Xamarin	Node.js	
Apex		jQuery	
VHDL		Salesforce	

## Work Experience

### IT Support Analyst

(Jan 2015 –  
Apr 2015)

#### *Regional Municipality of York, Newmarket*

- Performed **IT Support** and maintenance for computer software, smart phones, and **servers**
- Gained strong **analytical skills** through assessing smart phone operating systems, apps, security, and interfaces for compatibility with corporate requirements
- Developed excellent **management skills** while working on the set up, coordination, and distribution of smart phones for over 1600 employees

### Electrical Maintenance Assistant (Sep 2013 – July 2014)

#### *Sana'a, Yemen*

- Repaired and **enhanced** the **efficiency** of **diesel generators**
- **Installed** electrical generators to homes and work places

## Projects

### *Android Application Development* (Jan 2015 – Present)

- Developed Android applications using **event-driven programming** in **Eclipse**, using **Java**

- Created a **pedometer** by analyzing the **accelerometer readings** using **state machines** and **filters**
- Used SVN repositories for **version control** and ease of access

#### **Web Development** (Jan 2013 – Present)

- Developed a comprehensive personal website <http://alielwazir.me>
- Currently working on an **interactive** website projects: [alielwazir.me/CoffeMapping](http://alielwazir.me/CoffeMapping) , <http://alielwazir.me/TemperatureProject>

#### **Independent Software Development using OOP** (Jan 2014 – Dec 2014)

- Utilized **object-oriented programming concepts** to solve problems and build applications in **C#, Java, and JavaScript**
- Created software for **automating processes** that involve the use of more than one program through implementation of Object Oriented concepts (<https://github.com/Elwazirali/Automation-Sending-Emails->)
- Used map API's, JSON format files, to create web applications

#### **Digital Circuit Design and Logic Synthesis** (May 2015 – Present)

- Designed hardware using **VHDL**, verified **RTL schematics** through simulation, and **programmed FPGAs**
- Designed and Implemented **combinational and sequential circuits** to simulate the control of cars and elevators

#### **Raspberry Pi Programming** (Jan 2015 – May 2015)

- Programmed Raspberry Pi devices to be a multi-purpose entertainment system for younger family members
- Encouraged younger family members to learn **Python programming** using Raspberry Pi

### **Education**

#### **Electrical and Computer Engineering** student at the **University of Waterloo**

- Gaining valuable knowledge in **software development** lifecycles and planning
- Aspiring to acquire further knowledge with regards to **algorithms**