

## Electrical and Computer Engineering • University of Waterloo

### Skills

- Software development and OOP design using Java, C#, C++, Visual Basic, JavaScript, PHP, and Python
- Frameworks & tools: AngularJS, jQuery, Bootstrap, Node JS , .Net , Visual Studio, Android Studio, and Eclipse
- Building custom websites and web applications from scratch and management of web projects
- Efficient use of libraries, API's, and design patterns to produce desired software products
- Experience with Android and Windows Desktop application development

### Professional Experience

**Purolator Inc.** — Web Developer, Mississauga, fall 2015

- Worked on the development of Purolator web pages and web applications such as E-Ship Vision
- Developed Visual basic and JS applications and scripts to automate individualized large scale communications
- Automated various company processes pertaining to data accessibility and organization using Visual Basic and C#

**York Region.** — IT Support Analyst, Newmarket, winter 2015

- Tested and assessed various phone applications and OS for compatibility with corporate security usage
- Contributed in the management, coordination, and distribution of Android and iOS phones to +1600 employees
- Using Blackberry Enterprise server technology for phone security and reliability

### Projects

**CoffeMapping** ([alielwazir.me/CoffeeMapping](http://alielwazir.me/CoffeeMapping)) fall 2015 – Present

- Interactive web application that maps coffee shops in the waterloo region. Geared towards coffee enthusiasts  
#JavaScript #MapBox API #OOP #Leaflet API

**AutoBeautify** ([HTML Email Generator](http://alielwazir.me/HTMLEmailGenerator)) fall 2015 – Present

- Developed a tool for the automation of sending large amounts of web designed email communications, by integrating HTML and CSS libraries through string concatenation into Visual Basic scripts  
#VBA #Bootstrap #HTML #CSS #Excel Objects

**BinaryDoge** ([Binary Converter](http://alielwazir.me/BinaryConverter)) fall 2015 – Present

- Online binary converter implemented using MVC in AngularJS
- Featured in the Angular JS online community : [BinaryDoge](#) #Angular JS #MVC

**Pedometer** (Android Application) spring 2015 – Present

- A pedometer that analyzes accelerometer readings using state machines and filters
- Working on further movement analysis to assess power lifting movements #Android #Java #XML

### Developed Websites

- Temperature converter: [alielwazir.me/Temperature project](http://alielwazir.me/Temperature project)
- Simulating evolution's randomness decay into order: [alielwazir.me/phraseEvolution](http://alielwazir.me/phraseEvolution)
- Web design UI and UX concepts and implementations: <http://plnkr.co/users/Elwazirali>
- Highly interactive web page: [alielwazir.me/newAbout](http://alielwazir.me/newAbout)