**O**ISBEL SIMPSON

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SKILLS

*Programming Languages*: C#, XAML, WPF, HTML, *IDE*: Microsoft Visual Studio, IDLE (Python GUI),  
 CSS, JavaScript, Python, Android, Java, SQL. Android Studio.  
 *Frameworks*: .NET, KnockoutJS, JQuery, Bootstrap, Flask. *Others*: Git, GitHub, Linux.

PROJECTS

***TigerCompiler -*** [*https://github.com/oisbel/TigerCompiler*](https://github.com/oisbel/TigerCompiler)

* Developed a compiler for the programming language Tiger that generates IL code.
* Built compiler in 3 phases: syntactic analysis implemented using ANTLR for generating a Lexer and a

Parser and code generation phase implemented in C#.

* Tested in over 100 programs, including recursive functions and sorting algorithms.

***Vitrola -*** *<https://github.com/oisbel/Vitrola>*

* Developed a modernized antique record player developed in .NET.
* Used a database of video clips and music to display videos of a preferred genre or singer after coin is inserted.

***Lotto -*** [*https://github.com/oisbel/Lotto*](https://github.com/oisbel/Lotto)

* Created tool for lottery games to study the Florida Lottery Pick3 and Pick4, using the results from the beginning of time.
* Reduced the time of the players doing calculation, and includes algorithms to get all kinds of behavior of the numbers.
* Sold program for $20, earning more than $4,000 in less than a year.

WORK HISTORY

**Freelancer** - Software Developer *Havana, Cuba | 09/2012 to 06/2015*

* Developed websites using ASP.NET on demand from customers all over the world.
* Created desktop applications with Windows API and C++.

**Bleek Technologies** - IT Tech *Houston, TX | 04/2016 to 06/2017*

* Exchanged old computers for new ones.
* Installed programs, drivers, printers and other I/O devices.

EDUCATION

University of Havana – Bachelor in Computer Science *Havana -Cuba | 09/2008 to 06/2013*

* Emphasis in Math, Design, and Analysis of Algorithm and Programming Languages.

Udacity – Full Stack Web Developer Nanodegree *udacity.com | 08/2017 to 12/2017*

* Continuing education in how to build complex server-side web applications that use powerful relational

databases to persistently store data.