WILLA KONG

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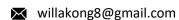## CORE COMPETENCIES

* **Languages and Frameworks:** C#, .NET Core and Framework, C++, SQL, Python, HTML, CSS, JavaScript, Bootstrap
* **Tools and Technologies:** Git, UNIX, Bash, PowerShell, JSON, Visual Studio, VS Code, SSMS, SQL Developer
* **Concepts:** REST APIs, relational databases, agile development cycle, web scraping, object-oriented programming
* **Skills:** Proactive learner, adaptive to new environments, clear communication with clients and colleagues

PROFESSIONAL EXPERIENCE

Software Developer   Sep 2018 – Dec 2018

Nielsen, Markham ON, Canada

* Developed a correction utility in C# and .NET Framework that corrects and formats data using metadata found in Oracle databases which improved efficiency from a day to 10 minutes
* Using C# and Selenium, developed a tool to automatically download flyers from several major retailers to reduce manual workload from half a day to 5 minutes
* Filtered and cleaned large datasets stored in SQL Server and Oracle, returning a compact CSV within 5 minutes
* Collaborated and communicated with different departments to understand requirements and produced applications that fit their needs quickly and accurately

System Developer   Jan 2018 – Apr 2018

Morneau Shepell, Markham ON, Canada

* Developed a system integration application that syncs defect data from HP ALM to Microsoft VSTS using C#, .NET Core 2.0, REST APIs and a 3-way merging algorithm which allowed smoother agile scrum meetings
* Designed UI POCs using HTML, Bootstrap, Angular 5, and ASP.NET Core 2.0 that successfully illustrated a new syncing interface that organizes build packages
* Engaged in daily stand-ups by elaborating on project progression and commenting on fellow team members' work

PROJECTS

Personal Site   Feb 2018 – present

* Designed and produced the layout of my personal site to showcase my achievements in a minimalist yet eye-catching way using HTML, CSS, Bootstrap, jQuery and several JS libraries and is currently being maintained
* Achieved experience in web development, hosting, and dynamic web design

Project Euler   Nov 2018 – present

* Honing algorithmic, mathematical and programming skills in C++ by practicing problems on Project Euler

Chat Server   Oct 2018

* Using TCP sockets and Python 3.0, developed a local chatroom application that allows users to broadcast messages to each other over the same network
* Gained insight on key networking concepts such as protocols, client server model, and addressing

EDUCATION

University of Waterloo   Sep 2017 – present

Candidate of Bachelors of Applied Science (Computer Engineering)

* Relevant Courses: Data Structures and Algorithms (ECE250), Fundamentals of Programming (ECE150)