Milind Shah

Email: milindS.905@gmail.com
Phone: 647-648-7850
github.com/Milind905

EXPERIENCE

MOBILE DEVELOPER | DEPARTMENT OF NATIONAL DEFENCE
January 2015 - April 2015 | Toronto, ON
- Fully developed an Android and iOS app from scratch using the cross platform tool Titanium Studio
- Designed a 'gamified' version of the 'Dual N-back' cognitive task which increases fluid intelligence and working memory
- Revised the designs for six other mobile applications for Mental Health Canada

DATABASE ANALYST | SCOTIABANK
April 2014 - August 2014 | Toronto, ON
- Redesigned the entire backend of department website to be more efficient via MSSQL and PHP
- Upgraded department's server to be compatible with both Windows XP and Windows 7
- Modified Microsoft Access databases to work with redesigned website and newly upgraded server
- Automated process of creating multiple reports using PHP and VBA

SUMMER STUDENT | SCOTIABANK
July 2013 - August 2013 | Toronto, ON
- Improved previous design for server performance reports by getting rid of unnecessary data and implementing relevant information using excel
- Used PowerShell scripts to improve the efficiency of a few daily jobs

PROJECTS

MEMORY GAME | HTML, CSS, JavaScript, PHP, SQLite
- Modification of 'Simon Says' game with multiple levels and visual stimuli
- Users can track results and improvements once logged in
- Gradually increases memory retention

PEDOMETER APP | Android Development, Java
- Manipulated the sensors of a Galaxy Nexus phone in order to calculate acceleration and position to create a pedometer

ARDUINO MICROCONTROLLER | Python
- Experimented with LEDS, light sensors, temperature sensors, flex sensors, potentiometers, and shift registers
- Played 'Twinkle Twinkle Little Star' using a piezoelectric sensor

PERSONAL WEBSITE | HTML, CSS, JavaScript
- Website to showcase my projects, resume, and blog
- Currently in development

TECHNICAL SKILLS

LANGUAGES
Proficient: C++, Java, Python, JavaScript, HTML, CSS, XML, SQL
Familiar: Assembly, C, C#, Matlab, MSSQL, PHP, VBA

ENVIRONMENTS | TOOLS
Node.js, Git, Android Studio, Eclipse, Titanium Studio, Bash, GDB, Ubuntu, SQL Developer, Photoshop

CONCEPTS APPLIED
MVC frameworks, SDLC, Agile Scrum Development

EDUCATION

UNIVERSITY OF WATERLOO
Computer Engineering | Term 2B
Expected 2018

RELEVANT COURSES

Operating Systems
Algorithms and Data Structures
Digital Computers
Embedded Microprocessor Systems