Sakib Ar Rahman

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TECHNICAL STRENGTHS

Languages Android, C++, Java, MySQL
Tools GIT, Android Studio, XCode, IAR Embedded Workbench

EXPERIENCE

UGO Mobile Solutions (TD Bank) January 2017 - April 2017
Application Developer

- Worked on the development of a digital wallet app and built PoCs using Alexa Skills Kit (Alexa Voice Service)
- Integrated Veracode, a cloud based security tool, into the existing continuous integration pipeline (Jenkins CI)
- Worked with various Amazon Web Services (AWS) offerings including RDS, Lambda, EC2, etc.
- Improved the existing digital wallet platform, implemented bug fixes and refactoring of the code

BlueFire Technologies May 2016 - August 2016
Programmer Analyst

- Developed a mobile application that analyzed speech by converting it to text and performing text analysis
- Used IBM Watson Speech to Text API and different text analysis techniques to analyze user speech input
- Designed UI wireframes and implemented a tabular UI with a modular architecture
- Other technologies explored include - Android GraphView (for visualization), Nuance Speech Recognition, CMU PocketSphynx (for research purposes on speech recognition)

DevConsultants Ltd August 2014 - September 2014
Engineering Intern

- Assisted professional engineers in preparing presentations, paperwork and other documents
- Communicated with clients to document project specifications and report progress
- Assisted in preparing technical feasibility studies report for infrastructure project worth over 1 billion dollars
- Prepared various spreadsheets and formatted raw data for presentations

PROJECTS

DrawSense
ConUHacks II, Concordia University

- Developed a program that enables hand-drawn diagrams to be used as an input device using an Arduino
- Wrote python scripts to filter out noise from capacitance readings and then perform mathematical analysis to determine touch on the diagrams more accurately
- Programmed a script that that callibrated the system parameters to individual users based on their touch

Context
WearHacks Toronto

- Developed a car safety system that minimized blind spot related accidents and assisted in lane change
- Programmed a Pebble Smartwatch app that analyzed accelerometer data & determined drivers' intent to switch lanes

The Brailliant Machine

- Programmed a stylus positioning application in C++ that made use of motor control & sensor calibration
- Developed program to translate English input to Braille patterns

EDUCATION

University of Waterloo 2015 - Present

- Candidate for BASc for Honours Mechatronics Engineering

AWARDS

- **International Engineering Student Award** and **Presidents Scholarship of Distinction** for over 95% average
- Placed **third** among over eighty - four teams at ConUHacks II, Concordia University
- **Duke of Edinburgh's Gold Award** for completing objectives in areas of service, skills and physical recreation