Meko Deng

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Education

2015-In Progress	B.Eng in Engineering, **McGill University**, Montreal Major: Electrical Engineering Gpa: 3.65
2014-2015 Incomplete	BSc. in Architecture, **McGill University**, Montreal Gpa: 3.74
2012-2014	D.E.C in Health Sciences, **Marianopolis**, Montreal R-Score: 31.855

Skills Summary

Programming Skills	Python, C++, C#, Unity, Java, JavaScript/TypeScript, NodeJS, HTML/CSS (basic), PyMSQL (basic), QTCreator (basic), VHDL (basic)
Operating Systems	Windows10, Ubuntu 14.04
Design Softwares	Photoshop, InDesign, Illustrator, Flash, Maya (basic)

Work Experience

2018 **Software QA Intern at Nuance Communications, Montreal**

- Creation of software test plans and automated tests using Python for functional and performance
- Adaptation of existing test scripts to specific customer platforms.
- Building of a CRUD web application with Vue.js, NodeJs, MySql, Docker, NginX, Python, HTML, CSS and TypeScript/JavaScript
- Implementation of unit tests, integration testing, functional testing, performance testing, usability testing and regression testing for various projects.
- Analysis of test results, creation of test reports, documentation of software defects.

Summer 2016 **Automation Engineer at Concordia University, Montreal Synthetic Biology and Microfluidics Research Lab - Automation Design Team - Software Lead**

- Developing a rapid prototyping method for Digital Microfluidics Chips (DMF chips) using Eagle
- Designing a circuit to control the electrodes on a DMF chips
- Designing a control system using Arduino for the DMF chips platforms.
- Designing (C++) and implementing an User Interface using QtCreator in order to control different biological or chemical processes through a simple Graphical User Interface. This control system was then implemented to support Android devices
- Designing (C++) and Integration of different elements of a microfluidic process (heating, power, auto-path generation, etc.) into one complete package

Awards

2014-2015 Principal's Student-Athlete Honour Roll (McGill University)
2014-2015 Étoile Académique (RSEQ Universitaire)
2013 Étudiant-Athlète (RSEQ Collégial Sud-Ouest)

Projects and Hackathons

2018-Present | **Stock Market Prediction Tool using Sentiment Analysis and Machine Learning**

- Scraping web data to retrieve relevant news articles (Python) using NewsAPi library
- Sentiment analysis of retrieved data using Naive Bayes Classifier and built in python libraries.
- Developing training algorithms (Python) for NLP (Natural Language Processing)

2017 | **BlockHacks at Concordia University, Montreal**

- Creation of a web platform intended for use by the UN for tracking and updating refugee informations.

2016 | **McGill Engineering Competition**

- Designing and building of a crane capable of lifting and moving weights through magnetic induction.

2016 | **Soccer Player (LEJOS EV3)**

- Researching, designing, and building of an EV3 robot in a team of 8 to guard and score goals against an opponent.
- Developping (Java) and Integrating multithreaded subsystems (e.g. odometer, obstacle avoidance, navigation mesh, etc.)
- Documenting all progress during the 4-month project (gantt chart) and presented our design to three engineers

Languages

Proficient: English, French
Fluent: Mandarin

Interests and Activities

Development | Game Design, Web Design, Mobile Application Design

Arts | Illustration, Digital Painting, Animation

Sports | Bouldering, Badminton, Skateboarding, Volleyball, Soccer