RoshanNoronha

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TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- + C++
- + Java
- + Python
- + R
- + SQL
- + Swift

TOOLS

- + Netbeans
- + Eclipse
- + RStudio
- + Android Studio
- + XCode

COURSES

- + Data Structures and Algorithms
- + Object Oriented Programming
- + Human Computer Interactions
- + Multivariate Calculus
- + Statistics

EMPLOYMENT

March 2015 - Present Vancouver, BC Canada

COFOUNDER AND CONTENT MANAGER – Vancouver Biotechnology Venture Association (VanBVA)

- + Collaborated with the National Research Council of Canada and Langara College senior executives to obtain funding and facilities for new members
- + Implemented a website to market VanBVA as the go to hub for potential entrepreneurs
- + Set up informational interviews with business leaders in the biotech industry to produce content for the VanBVA website and provide additional value to our members

May - December 2014 Vancouver, BC Canada

JUNIOR SOFTWARE ENGINEER - GenomeDx Biosciences

University Of Miami Validation Project

- + Third author on a paper that was successfully submitted for peer review
- + Collaborated with researchers at the University of Miami and GenomeDx to validate prognostically significant biomarkers
- + Designed code to validate any significant relationships between immuniohistochemical data and gene expression data

Quality Control Refactoring Project

- + Found software packages to replace functions that were not working properly
- + Designed the implementation of the new quality control pipeline with respect to new functionalities
- + Documented issues, changes and code in a clear concise manner
- + Implemented a work breakdown structure to break tasks down into manageable goals

Fragment Analyzer Project

- + Collaborated with R&D team to design prediction metrics
- + Developed programs needed to test and validate prediction metrics
- + Successfully documented code both on Github as well as in house wiki

Quality Control Refactoring Project

- + Developed code to normalized hundreds of samples
- + Worked with the Clinical Operations team to create standards for data uploading
- + Worked with the Clinical Operations team to move normalized data onto the database

PROJECTS

PORTABLE AND EFFICIENT PCR MACHINE – A machine that amplifies DNA via the Polymerase Chain Reaction

- Used 3D modeling software to determine optimal design and maximum efficiency
- + Applied techniques such as 3D printing to decrease weight resulting in an increase in portability
- + Designed code to track sample temperature and adjust heating and cooling cycles accordingly

WILBUR - A WeatherBot

- + Utilized Microsoft's natural language service(LUIS) to apply natural language understanding to bot
- + Worked with Microsoft's BotBuilder framework to develop a bot that responded to user intent
- + Utilized third party API's to request and parse weather information
- + Used Git to stage and commit updated code to GitHub

VOLUNTEERING

January 2013 - Present Vancouver, BC Canada

PRESIDENT - Langara Bioinformatics Club

- + Used communication skills to recruit new members via social events and social networking
- + Started a journal club to discuss and review new discoveries in the field of Bioinformatics
- + Started programming sessions to teach other students basic programming

EDUCATION

2016 - 2017

Burnaby, BC Canada

BACHELOR OF SCIENCE IN MOLECULAR BIOLOGY AND BIOCHEMISTRY – Simon Fraser University

2010 - 2016

Vancouver, BC Canada

ASSOCIATE OF SCIENCE DEGREE IN BIOINFORMATICS – Langara College