RoshanNoronha

(604) 910 - 7560
roshananoronha@gmail.com
roshannoronha.com

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
+ C++
+ Java
+ Python
+ R
+ SQL
+ Swift

COURSES
+ Molecular Genetics
+ Mendelian Genetics
+ Data Structures and Algorithms
+ Object Oriented Programming
+ Multivariate Calculus
+ Statistics

TOOLS
+ RStudio
+ Eclipse
+ Netbeans
+ Android Studio
+ XCode

EXPERIENCE

March 2015 – Present
Vancouver, BC Canada

COFOUNDER AND CONTENT MANAGER – Vancouver Biotechnology Venture Association (VanBVA)
+ Collaborated with the National Research Council of Canada 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 leaders in the biotechnology industry to provide additional value to our members

May 2014 – Dec 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
+ Utilized visualizations to validate any significant relationships between immuniohistochemical data and gene expression data

Sample Normalization 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

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 break down structure to define tasks and manageable goals

Oct 2012 – March 2013
Vancouver, BC Canada

LAB ASSISTANT **– Morin Laboratory**

+ Downloaded and installed pipeline analysis tools for a local instance of the Galaxy Bioinformatics web based platform
+ Used patient data from BC Cancer Agency to create primers that isolated mutated regions for further study
+ Aided in lab tasks such as using an Illumina sequencer, running gels and filling boxes of pipette tips for sterilization

RESEARCH POSTERS

+ Alan Pollack, Nicholas Erho, **Roshan Noronha** and others (February 26-28, 2015) *A biomarker panel associated with distant metastasis in prostate cancer patients […]*. Abstract no. 08. 2015 Genitourinary Cancers Symposium, San Francisco, CA.
+ **Roshan Noronha** (October 15, 2016) *Portable and Efficient PCR Machine*. Langara College Scholarship Café, Burnaby, BC.
+ Ken Naumann, Marion Moniz De Sa, Eleanor Lewis and **Roshan Noronha** (May 30, 2017) *Super-colony formation by the invasive European fire ant […]*. Langara College Scholarship Café, Burnaby, BC.

EDUCATION

2016 - 2018
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