

Khashayar Yousefi

5899 Nancy Greene Way
North Vancouver, BC, V7R 4W6

604-657-9662

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<https://github.com/khashiyousefi>

TECHNICAL SKILLS

Programming:

- | | | |
|-----------------|-------------------|--------------|
| • Java | • Python | • VBA |
| • JavaScript | • Shell Scripting | • PostgreSQL |
| • Junit | • Ruby | • XML |
| • React/Node.js | • HTML 5 | • Swift |
| • SQL | • CSS | • PHP |
| • C/C++ | • MATLAB | • Bash |
| • Selenium | • Perl | • C# |

Applications:

- | | | |
|----------------------|--------------------------|--------------------------------|
| • Eclipse | • Git | • Adobe: Acrobat and Photoshop |
| • Visual Studio Code | • Davicom | • Grails |
| • IntelliJ | • Microsoft Office Suite | • Putty |
| • Xcode | • Sublime Text | • QGIS |
| • Ruby on Rails | • Visual Studio Code | |

Operating System:

- | | | |
|---------------------|---------|-------|
| • Microsoft Windows | • Linux | • Mac |
|---------------------|---------|-------|

RELATED WORK EXPERIENCE

Junior Developer

Environment and Climate Change Canada, Vancouver, BC

Jan 2018 – Apr 2019

- Developed and configured of a new alerting website ECAAlertMe.weather.gc.ca
- Tested ECAAlertMe.ca and new features with Selenium and JUnit
- Developed Automated Script with Selenium/Java for Twitter and Hootsuite
- Enhanced an admin and stats web interface in PHP for data in a PostgreSQL
- Created a data collection method for data to be ingested into an existing in house website
- Created and developed database functionalities with more enhancements
- WeatherRadio National project that broadcast alerts to remote areas without internet connection

PROJECT EXPERIENCE

Developer

Dynamic Reliability Protocol

Mar 2019

<https://github.com/khashiyousefi/dynamicReliabilityProtocol.git>

- Python Server-Client network connection with 3 levels of reliability added onto UDP
- Retransmission reliability allows a TCP connection without flow and congestion control.
- Post-Error-Correction client to respond with a bitmap of all the missing data packets to server
- Forward-Error-Correction send packets contained with both high and low quality data

Breaker, iOS Developer

Building iOS Game and Apps

Dec 2018

- Developed dynamics and gameplay design with Swift SpritKit
- Developed animation procedures for visual effects and characters movement animation
- Created models and mechanics for all of the game aspects
- Front-end UI and back-end services developed with efficient, maintainable and reusable code prioritizing privacy and security

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PROJECT EXPERIENCE CONTINUED

Programmer

Lights out Puzzle

Jul 2018

- Developed the Lights out Puzzle by Python program and implemented algorithms to solve it
- Used Breadth-first search (BFS), Depth-first search (DFS) and A* algorithms to solve the puzzle
- Created a heuristic function for the A* algorithm that generated the best optimal solution for the puzzle

Project Manager/ Programmer

<https://github.com/khashiyousefi/FoodNatic.git>

Jun 2017

- Created an interactive web application using HTML 5, CSS, and JavaScript which provides recipes to users based on their preferences and dietary needs
- Developed the backend of the web application using Ruby on Rails to send queries to different APIs and retrieve the necessary information for recipes
- Managed a team of five by holding regular meetings and checking weekly progress reports to ensure that all deadlines were met

OTHER WORK EXPERIENCE

Store Manager

The Mobile Shop, North Vancouver, BC

May 2016 – Dec 2018

- Monitored and controlling expenses and budgets
- Conducted timely performance evaluations
- Tracked and reported scorecard results to senior management
- Monitored performance and initiating action to strengthen results
- Review and assess the success of the goal, the plan, and the allocation of the employees and their resources using solid, reliable measurements

Mobile Specialist/ Geek Squad Agent

BestBuy, West Vancouver, BC

Apr 2015 – Feb 2016

- Provided personalized service and exceptional level of expertise to customers
- Handled all aspects of the sale including: completing customer contracts and warranties, receiving customer payments, and cash/ credit card/ check transactions

EDUCATION

Bachelor of Science – Major in Computer Science

April 2020

Simon Fraser University, Burnaby, BC

Applied Software Development

British Columbia Institute of Technology, Burnaby, BC

INTERESTS

Football, Tennis, Game Development, Soccer, Basketball, Volleyball, Music