ROBERTO MIGUEL TRIGO
Applicant for Software Engineering: Co-op or Junior Position

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Aspiring **Computer Science** student. A highly team-oriented, driven, and coachable fast-learner. A focused, motivated, results-oriented self-starter with exceptional communication skills and a hunger for learning new technology. Possesses a versatile skillset, ranging from front-end design, algorithm design/analysis, and database management.

TECHNICAL REPERTOIRE

Proficient Languages:	C#, Java, PHP, HTML, CSS**,**
Other Languages & Tech:	MySQL, C/C++, Python, Ruby on Rails, Javascript, Swift, Git
Development Tools:	IntelliJ, Eclipse, Android Studio, Visual Studio, Sublime, RStudio
Design Tools:	Adobe Suite (Photoshop, Dreamweaver, Prelude)
Currently Learning:	R, Matlab, Internet & Network Computing, Unix & Linux Environments

EXPERIENCE

MQ FUTURE SCIENCE NETWORK   Apr 2015 - Present
- Personal startup businesses: an upcoming series of programming and computer science schools
- Each school has a distinct focus/discipline in computer science
- Content: basic programming language syntax, tech interview practice and training, algorithms, artificial intelligence, machine learning techniques

Writer, Editor, Programmer   Apr 2015 - Present
- Achieved #1 Best-Seller status for several book projects
- Languages covered: Java, Javascript, Ruby, Swift, PHP, Python, C#, C++, HTML, CSS, Matlab (in progress)
- Vast series of electronic and paperback books available online
- Adobe Photoshop CS6: exceptionally well-designed book covers created for optimizing sales revenue
- Supervised learning algorithm, with supporting greedy algorithm used for generating & selecting decision stumps
- AI algorithm implementations: constraint satisfaction algorithm, logic-based diagnostics models
- Frontier Search Algorithm, with Variants: DFS, BFS, Best-First Search, Heuristic Search, Dijkstra's Algorithm

RON-SON'S TORCH REPAIRS AND SALES LTD. Surrey, BC   Feb 2011 - Dec 2014
Online Flyer & Brochure Creator   **Apr 2014 - Sep 2014**
- Included Tech: PHP (primary code), MySQL, Javascript, HTML, CSS   **Updates: Sep 2014 - Dec 2015**
- Impact: improved efficiency in creating print design for sales campaigns

Company Website with Online Product Database   **Sep 2012 - Dec 2012**
- Included Tech: PHP, Javascript, HTML, CSS, MySQL, Adobe PS & DW   **Updates: Dec 2012 - Feb 2013**
- User interface component developed in HTML/CSS & Javascript

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NOTABLE PROJECTS

UNITEDVERSITY OF BRITISH COLUMBIA Vancouver, BC **2014 - Present**
Software Engineering Project   Client: My Practice Matters **Jan - Apr 2017**
Included Tech: C#, .NET, Visual Studio, GIT, SQL, MySQL, Python
Achievement: Group project checkpoints received multiple A and A- grades
Notable roles: Project Manager, testing phase
Project progresses under Software Development Life Cycle
Documents proposed to client:
- Project plan & terms of reference. Includes project phases & schedule
- Business requirements. Includes functional & non-functional requirements
- Tech requirements & internal design. Includes tech stack, dev environments, class & process diagrams
- Test plan. Includes test environment, White Box & Black Box testing, SAT, UAT

OneStream: an Advanced Software Engineering Project **Jan - Mar 2017**
Music streaming mobile application that retrieves music from multiple sources
Included Tech: Android Studio, Java, Python, GIT, Spotify API, GMusic API
Achievement: one of the top-rated project proposals in class
- Includes any locally stored music on mobile device.
- Allows music streaming from Spotify, Soundcloud
- Includes REST API design

Multiple Design Projects for Human-Computer Interactions:
BrewBuddy: a home-brewing helper app concept **Jan - Mar 2017**
- Field studies (recorded interviews) conducted for determining user requirements
- App features and design based on user requirements
- Low & Medium-fidelity prototypes. Features influenced by task examples,
    user requirements and cognitive walkthroughs
- Experiment design. Utilizes video and other technology to determine
    optimal design for app interaction

Revised Interface for Yelp.com, including new features: **Sep - Dec 2015**
Included Tech: Javascript, HTML, CSS
- Achievement: group project received an A grade
- Research protocol: cognitive walkthroughs and debrief interviews conducted to gather usage information

EDUCATION

Bachelor of Arts in Computer Science
UNIVERSITY OF BRITISH COLUMBIA Vancouver, BC   2014 - Present GPA: 3.1
Earliest Graduation Date: 2018

University Transfer
LANGARA COLLEGE Vancouver, BC   2012 - 2013   GPA: 3.7

Diploma in Commerce & Business Administration
DOUGLAS COLLEGE New Westminster, BC   2008 - 2010   GPA: 3.2
Achievement: HSBC Business Scholarship award

ORGANIZATIONS

KAPPA SIGMA FRATERNITY University of British Columbia   2014 - Present
Senior active member