

Yiyang (Calvin) Kok
Year 3, BCS Second Degree Program
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Education:	Credential:	Completion:
	BCS – University of British Columbia	Expected 2015
	BBA – Okanagan College	April 2012
	Certified Tax Professional – H&R Block	December 2011

Courses: CPSC 317 – Internet Computing
CPSC 322 – Introduction to Artificial Intelligence
CPSC 404 – Advanced Relational Databases
CPSC 410 – Advanced Software Engineering
CPSC 416 – Distributed Systems

Skills:

Language:	
Java	JUnit Testing JSON and XML parsing Socket Programming File Upload/Download GWT AppEngine Web API Interfacing
C	Socket Programming File Upload/Download
Ruby	RSpec Unit and Functional Testing Cucumber Testing
SQL	Table Creation Queries (Selects, Inserts, Deletions)
PHP	Data Transfer Backend/Frontend Laravel Framework MySQL Database Interfacing
Misc.	GIT Development in Linux and OSX environments

Projects Completed: **Tri-Mentoring Matching System (Developer and QA) – PHP**

- A web based application using the Laravel framework
- Selected by client versus 3 other competing teams
- Processes applications to the Tri-Mentoring program in UBC's CS department, then matches applicants by compatibility
- Personal project responsibilities involved:
 - o File I/O for bulk data import and export
 - o Testing documents
 - o Initial environment setup for OSX users on team
 - o Database transaction log via listener

ParkN'Eat (Developer) – Java

- A web application using GWT framework/Google AppEngine
- Uses a Municipal dataset and Yelp access to find restaurants and parking close to a given address
- Integrated Map and server side data persistence
- Client/Server design and asynchronous RPC calls

Code Repository Audiolizer (QA) – Java

- A graphical application that generates audio files based on the “health” of a repository’s source code
- Integrated with open source repository analyzers JavaNCSS and PMD, as well as open source MIDI generator JFugue
- JUnit testing (~100% Unit Test Coverage)
- Use of ‘dummy’ files and repositories for functional testing

Huffman’s Algorithm – Ruby

- A terminal based implementation of the Huffman’s algorithm for txt file compression
- Achieved ~40% space savings on 150kb txt files

Work Experience:	Software Developer in Test	NetApp	Sept 2013 - July 2014 (Co-Op & Part-time)
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- Primarily Ruby based WORK
- Write automated tests and implement QA team infrastructure
- Investigation and resolution of failed automated tests
- Ruby testing conducted via RSpec and Cucumber
- Tests monitored and automated with Jenkins

Certified Tax Professional	H&R Block Kelowna	Feb 2012 – April 2012
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- Prepared and filed personal income tax returns
- Job required a comprehensive knowledge of the personal income tax system
- Used vacant time to increase prior client return rate via phone solicitation

Bookkeeper	Penticton Veterinary Hospital	May - August 2010 - 2012
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- Formulated weekly Excel and QuickBooks reports to track business performance metrics
- Maintained and managed computer and paper file systems
- Responsible for payroll duties of around 10 employees