

SAMUEL VELOSO

Major in Computer Science, Year 4

github.com/scveloso

www.linkedin.com/in/samuel-veloso/

TECHNICAL SKILLS

Languages	C#, Java, C, C++, HTML, CSS, JavaScript, TypeScript, Node.js, Express.js, XML, JSON
Software	Visual Studio, IntelliJ, Android Studio, Git, TFS
Database	SQL, SQLite, Firebase

PROJECTS

CrowdCourse

Sep 2017 - May 2018

- Created an Android app that allows students to share crowd-sourced course information with peers
- Implemented a web scraper that accumulates course information from the UBC courses website and saves them into a Firebase database
- Worked with designer to create Android activities to display course information, course ratings and course comments as well as the user's home page

Skills: Java, Android Studio, Firebase, JavaScript, Node.js, Express.js

UBC Insights

Sep 2017 - Nov 2017

- Created a web app for a Software Engineering class that takes UBC courses and buildings data and queries on that data to return specific information based on the queries
- Implemented an Abstract Syntax Tree to parse given queries and evaluate the courses and buildings data to return specific information based on the parsed queries
- Used Restify to allow users to call REST APIs to give the app courses and buildings data, delete data and query given data

Skills: JavaScript, TypeScript, Node.js

Follow The Recipe

Jul 2017

- Created an Android app that allows a user to add recipes to a list with its respective photo, ingredients and directions
- Incorporated a SQLite database to store recipe data even upon app shut down
- Integrated with a library that enables ingredients and directions in the app lists to be easily dragged

Skills: Java, Android Studio, SQLite

Labyrinth

Apr 2017

- Created an Android app game where the player has to attempt escaping a maze
- Wrote algorithms to 1) procedurally generate new mazes for every new game using depth-first search and backtracking and 2) update the 3x3 grid view of the maze for every player movement

Skills: Java, Android Studio, SQLite

“Alternative Tweets”

Mar 2017

- Created a web game at NWHacks (hackathon) where the player must guess whether the presented tweet is a real tweet or a generated fake tweet
- Designed the front-end of the game in HTML and CSS
- Implemented a ‘number of lives left’ system add a scoring system based on correct tweets guessed using JavaScript

Skills: HTML, CSS, JavaScript

WORK EXPERIENCE

Software Developer Co-op, Copperleaf Technologies, Vancouver, BC May 2018 – Dec 2018

- Developing application back-end with C#, NHibernate and Oracle SQL for database management
- Writing database scripts in SQL to implement new features and fix bugs
- Developing application front-end in Typescript using Angular/Kendo components
- Writing unit and integration tests with C# to test application

Student Team Android Developer, UBC Launchpad, Vancouver, BC Sep 2017 – Present

- Developed an Android app that allows UBC students to view crowd-sourced course information
- Used Git and Agile methodologies to assign tasks to the team, update the team on issues and share updates to the project
- Participated in weekly meetings to take on development work and collaborate for the next week

Junior Support Engineer, Samsung, Burnaby, BC

Jan 2017 – Aug 2017

- Developed sample Android MDM apps to showcase the features of the Samsung Knox SDK
- Developed an internal Android app to help manage device ownership within the team and to facilitate borrowing out devices from device storage
- Troubleshooted enterprise Android apps and provided technical resolutions
- Automated the status checking of key Samsung B2B services

Computer Science Teaching Assistant, UBC Vancouver, BC

Sep 2016/17 – Dec 2016/17

- Guided students in completing Java OOP lab exercises
 - Assisted students with troubleshooting and debugging programming assignments
 - Worked closely with other teaching assistants and course lecturers to mark assignments, projects and exams
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EDUCATION

Bachelor of Science in Computer Science

Sep 2015 - Present

University of British Columbia, Vancouver, BC

- UBC Average: 85.7%
- Expected graduation: Apr 2020