

Harrison Fok

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TECHNICAL SKILLS

Experience with: Python, Java, Go, JavaScript, Node.js, REST, .NET C#, MVC, SQL, PHP, Android, Git

Familiar with: AWS, Pandas, Keras, C, shell script, Linux, UML, VBScript, OSX, Windows

Education

University of Toronto Scarborough

09/2014 - Present

Honours Bachelor of Science

- Computer Science Specialist Co-op Program (Software Engineering Stream)

Professional Experience

University Health Network

01/2019 - 04/2019

Software Developer

- Developed a full-stack Go web application using Blue Jay in a team setting, fulfilling the client's needs through feature implementation and accurate data storage in a well-designed database
- Completed a one-week project that scrapes a large amount of Excel files and turn them into JSON format within the team, and individually completed another project that stores JSON data into CSV
- Migrated a huge amount of client data with more than 20 sections into the database of the web application, preserving the quality of the data to allow effective querying

York Region District School Board

05/2017 - 08/2017

Programmer

- Developed a web application using ASP.NET C#, with HTML, CSS, JavaScript, Bootstrap, jQuery, and Exchange server to extract daily Outlook appointments, improving design and readability
- Self-learned most new technologies independently, allowing deeper understanding and creativity
- Developed a Business Intelligence report, using Visual Studio and SQL Server, for displaying all IB students by querying more than 20 tables with different logic

CIBC Technology & Operations

09/2016 - 12/2016

Test Analyst

- Corrected issues with 8 existing automation scripts and wrote 13 new ones for performing other functions, increasing speed and efficiency by at least 200%
- Self-learned QuickTest Professional/Unified Functional Testing and VBScript for automation with minimal guidance, saving the employer a substantial amount of time to provide training
- Documented learning and trainings in Microsoft Word as reference for future Co-op students

Projects

Hayley-Harrison

<https://github.com/HarrisonFok/Hayley-Harrison>

05/2018 – 06/2018

- Developed a website using Node.js, Express, MongoDB, and EJS, with MVC and RESTful routes, allowing user authentication, signup, adding, viewing, editing, and deleting blogs or pictures

HayleyAndHarrison

<https://github.com/HarrisonFok/HayleyAndHarrison>

05/2018

- Developed a fully-functioning website using HTML, CSS, JavaScript, PHP, and MySQL, allowing user authentication, signup, viewing and adding to TODO list, and viewing and posting “tweets”

Python GUI grading app

https://github.com/HarrisonFok/L02_04

09/2017 - 11/2017

- Developed a GUI app in Python within a 5 person team using Agile, achieving A+ on the project
- Connected different features by the end of the fourth sprint into a working product
- Created personas to better understand client needs and ordered user stories so that story points could be assigned and small individual working features could be released every sprint
- Self-learned Tkinter from scratch, completed my assigned user stories and removed unnecessary ones, allowing more efficiency and more core user stories to be completed

Android flight application

11/2015 - 12/2015

- Wrote a native application within a 5 person team, achieving an A+ on the project
- Designed UIs for different types of users such as clients and administrators
- Scheduled meetings for architecture, work splitting, status reports
- Planned a schedule so that there was time left over for documentation
- Resolved conflicts through in-person code reviews and Skype meetings
- Abstracted real world flight reservation system objects into Java code