University of Waterloo

Co-operative Work Terms

Waleed Rizwan
20680917
3B Accounting and Financial Management, Honours, Co-operative Program
Computing Minor

Work Term	Employer	Evaluation
Jan - Apr 2019	Office of the Auditor General of Ontario	SATISFACTORY
	Office of the Legislative Assembly	
	Toronto Ontario Canada	
	Auditor (Trainee Program)	
Sep - Dec 2019	Toronto Hydro Corporation	EXCELLENT
	Head Office	
	Toronto Ontario Canada	
	Senior Technical Student	
Sep - Dec 2020	Loblaw Companies Limited	EXCELLENT
	Corporate	
	BRAMPTON Ontario Canada	
	Application Developer	

Planned Future Work Term(s)
Sep - Dec 2021

Dear Hiring Manager,

I am a fourth-year **Finance** student at the **University of Waterloo**. After reading your job posting I am sure that my combined skill set in **programming** and **finance** would help bring value to the team.

In my third year I made the decision to transition into Software Development after having fun working on some side projects. What I enjoy about **programming** is the process of planning, designing, and then gradually working on a project until I have a final product that does something interesting or makes a task easier.

Not long after my career transition, I was able to find an internship as a **Developer** at **Loblaws** in the Supply Chain sector, where I used the new low code tool **Appian** to deploy **websites**. Here I learned the fundamentals of **Agile** and **Scrum**, how to write **clean code**, how to properly **test code**, and how to **document** my work so other developers can understand.

To quickly summarize my **programming** abilities, I am a capable web developer utilizing the **React JavaScript** framework to build clean and responsive UIs. I can also manage backend tasks using tools like the **Python** web framework **Flask** to create an **API** to serve multiple functions. Some other frameworks/tools I have experience in using for web development are **Material UI, Redux, Bootstrap**, and **Firebase.** My **Python** skills are versatile beyond web development and can be applied to multiple areas. I have used them for purposes such as **option pricing** and **sentiment analysis** to analyze the emotions of Tweets.

All of my skills have come from project-based learning and not just reading or watching tutorials. Examples of my work can be found on my portfolio website **WaleedsCode.com** and my **GitHub** which is linked **here.**

Thank you for taking the time to review my application. I look forward to the opportunity of speaking with you to discuss my qualifications further and the nature of the position you have available.

Sincerely,

Waleed Rizwan

Waleed Rizwan

w2rizwan@gmail.com | WaleedsCode.com | github.com/waleedrizwan

Skills

Languages: Python, JavaScript, TypeScript, SQL, Excel VBA, Bash

Tools: React, Redux, Node, Git, Flask, Netlify, Bootstrap, Material UI, AWS EC2, Firebase, Figma

Experience

Application Developer - Loblaw Companies Ltd.   September 2020 - December 2020

- Developed a new inventory control website using Appian to be used by all 27 distribution centers in Canada
- Reduced time spent on non-value adding tasks such as data retrieval and manual clerical work by 50%
- Improved user experience by implementing a French translation feature to translate the website content and store user's language preference in Oracle backend
- Resolved over 20 Jira tickets including bugs and upgrades, and confirmed with users
- Led weekly meetings with warehouse managers to assist in migration from legacy software to new platform

Senior Technical Student - Toronto Hydro   September 2019 - December 2019

- Coordinated daily trade settlement with energy suppliers to verify expenses for finance team
- Used Excel VBA to calculate total charges per day using hourly electricity prices and actual usage data
- Preprocessed monthly invoices worth hundreds of millions of dollars to confirm accurate totals

Projects

Portfolio Partner   PortfolioPartner.ca

- Built a free stock notification service for Canadian investors with **50+** registered users
- Saved users time through daily SMS notifications of portfolio performance updates
- Implemented an automated price watching feature to text users when stocks reach a given price
- Created a SPA using **React**, **Redux**, **Bootstrap**, **Material UI**, **Firebase** Auth and Realtime database
- Utilized the **Yahoo Finance API** to handle stock performance calculations and to monitor prices
- Wrote **Python** scripts to handle SMS notifications using the **Twilio API**, and a **Linux** instance deployed with **EC2**

Twitter Vibe Check   TwitterVibeCheck.com

- Created an open-source project to instantly summarize emotions of Tweets using **sentiment analysis**
- Developed a lightweight website using **React**, **Redux**, and **Bootstrap**
- Created a wrapper API using **Flask** to handle requests between users and the **Twitter API**
- Users have collectively analyzed **30,000+** Tweets to date

Open Check   devpost.com/software/opencheck

- Built a hassle-free identity verification and authentication platform for **Hack the North 2021**
- Designed and implemented a user dashboard using **Figma** and **React**

Investment Analysis Tool   github.com/waleedrizwan/portfolioanalysistool

- Implemented a **Python** Jupyter Notebook which lets users analyze a mock portfolio of stocks
- Calculates historic and expected future return, market risk, and volatility of the portfolio
- Graph's all data over an 8-year period using **Pyplot** and **Seaborn**
- Uses the **Yahoo Finance API** to pull market data and performs calculations using **pandas** and **NumPy**

Education

University of Waterloo   September 2017 - Present

- Bachelor of Accounting & Financial Management, Co-op
- Deans Honors List (2017 - Present)
- Minor in Computer Science (Functional Programming, OOP, Algorithmic Problem Solving)
- AFM 121 Teaching Assistant (Global Financial Markets Winter 2021)

UNIVERSITY OF WATERLOO
UNOFFICIAL GRADE REPORT

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Spring 2021

AFM	324	Wealth Management	
BET	100	Foundations of Entre Practice	
CS	200	Concept for Adv Computer Usage	
CS	231	Algorithmic Problem Solving	
ECON	231	Intro to International Econ	
AFM	433	Business Strategy	

Term Average: N/A   Decision:

Fall 2020

COOP	3	Co-operative Work Term	CR
PD	3	Communication	CR

Term Average: N/A   Decision:

Spring 2020

AFM	311	Connections to Ethical Context	78
AFM	322	Derivative Securities	76
AFM	344	Intro to Business Analytics	86
AFM	377	Priv Equity and Venture Cap	81
CS	116	Intro to Computer Science 2	81

Term Average: 80.4   Decision: Good standing

Winter 2020

AFM	391	Intermed Financial Account 2	CR
HRM	200	Basic Human Resources Mgmt	97
AFM	373	Cases & Apps in Corp Finance	82
CS	135	Designing Functional Programs	87

Term Average: 88.67   Decision: Good standing

Fall 2019

COOP	2	Co-operative Work Term	CR
PD	5	Project Management	CR

Term Average: N/A   Decision:

Spring 2019

AFM	211	Connections to Bus Context	75
AFM	241	Intro Business Information	81
AFM	274	Managerial Finance 2	74
AFM	280	Intro to Org Behaviour	75
AFM	231	Business Law	76

Term Average: 76.2   Decision: Good standing

Winter 2019

PD	12	Reflection and Learning	CR
COOP	1	Co-operative Work Term	CR

Term Average: N/A   Decision:

Fall 2018

PD	1	Career Fundamentals	CR
AFM	202	Intro to Public Practice	WD
AFM	204	Intro to Applied Finance	80
AFM	273	Managerial Finance 1	60
AFM	291	Intermed Financial Account 1	74
ENGL	109	Intro to Academic Writing	79

Term Average: 73.25   Decision: Excellent standing

Winter 2018

AFM	102	Intro to Managerial Acct	86
AFM	121	Intro to Global Financial Mkts	84
ECON	102	Intro to Macroeconomics	87
SPCOM	111	Leadership & Communication	87
STAT	211	Intro Stat & Sampling Acc	68

Term Average: 82.4   Decision: Excellent standing

Fall 2017

AFM	101	Intro to Financial Accounting	84
AFM	131	Intro to Business in N.A.	88
MATH	109	Mathematics for Accounting	91
CS	100	Intro Computing through Appl	90
ECON	101	Intro to Microeconomics	84

Term Average: 87.4   Decision: Excellent standing

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Did you apply through the Grapevine website?   Yes

This job is funded by the Government of Canada's Student Work Placement Program. To be eligible you must be a Canadian citizen, permanent resident or a protected person defined by the Immigration and Refugee Protection Act. Do you meet this requirement?   Yes