Yutaek (YuTech) Hwang

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Work Experience

Programmer Analyst (Software Developer)
Nov 2022 – Present
Transport Canada, Ottawa ON
- Main role: front and back-end work on the internal TC CDP project
- Tech stack: VueJS, TypeScript, JavaScript, HTML / CSS, Docker, GraphQL API, NodeJS, SQL Server, Azure Dev Ops, Git, Cypress E2E testing
- More details next page

Junior Associate (IT Business Analyst + SharePoint Administrator)
June 2021 – August 2022
Export Development Canada, Ottawa ON
- End user bug testing of various applications (UAT)
- Project management and ownership experience
- SharePoint owner (create and update sites within the Agile team)

Database Administrator
Jan 2022 – May 2022
Department of National Defence, Gatineau QC
- Analyze DND database involving contracts, working closely with end users to troubleshoot errors
- Update layouts and design (improve UI elements) for easier and more organized use

IT Analyst
November 2019 – June 2020
Laboratories Canada (LC, under PSPC), Ottawa ON
- Database work with Government lab facilities across Canada
- Identify and coordinate IT needs in various Government facilities

Computer Programmer
Public Services and Procurement Canada, Gatineau QC
April 2019 – August 2019
- Worked on both the front and back end of a large web-based project to manage Canada Gazette's unique workflow
- Improved and innovated existing code for optimal performance

Desktop Support Specialist / IT Technician   (Information Technology)
Statistics Canada, Ottawa ON
October 2018 – April 2019
- Operated an IT Genius Bar for Government employees
- Deployed, returned, and replaced computers and related IT equipment
- Computer software, hardware, and network troubleshooting
- Coached new employees on team procedures for dealing with incoming requests and training for other important tasks

Graduated: Bachelor of Computer Science, Minor in Business
Carleton University,   September 2017 – April 2022

EX1: Recent* and significant** experience developing applications in the nodeJS, VueJS and graphQL frameworks.

> Development on the TC Corporate Data Pathfinder (CDP) project requires the regular working use of all these technologies to provide the best product and solutions. The past year I have been using this tech stack daily to develop features for our CDP project.

EX2: Recent* and significant** experience writing and tuning queries and schema on the SQL Server platform.

> Writing and tuning quires and scheme on the SQL Server platform is required to maintain and check our code. This ensures that our CDP is operating properly and fluidly, so it is checked frequently.

EX3: Recent* and significant** experience deploying and maintaining distributed application architecture using containerization (e.g. Docker)

> Docker is used while working on CDP to ensure faster software delivery cycles, more efficient use of system resources, and ease of access with superior portability. I have been deploying and maintaining our CDP releases the past few months.

EX4: Recent* and significant** experience extracting financial data from corporate systems

> Working on the development of CDP requires an understanding of the information it contains to properly display it in a clean professional manner. Important components within CDP are required to be taken and displayed in certain ways across our web app, which is key aspect of my regular software development duties.

Programming Languages:
Java, JavaScript, JSON, HTML + CSS, Python, C, C++, SQL, TypeScript

Frameworks / Platforms:
Windows, Linux, Virtual Machines (VMs), Angular, React, Node.js, MongoDB, Git, GitHub, Netlify, Azure Dev Ops, Docker, Vue.js, GraphQL, SQL Server, Azure Dev Ops, Cypress E2E testing

Other Skills and Interests:
> Microsoft, Planview, LeanKit, Agile, Scrum, Project Management, REST, APIs, Android Studio, App Development, Security, Information Technology (IT), Internet of Things (IoT), WCAG,
>
> Electronics, Technology, Finances, Investing, Sports, Working Out, Fitness, Healthy Lifestyle
>
> Bronze Cross (Assistant Lifeguard), Standard First Aid with CPR-C, Emergency First Aid with CPR-B, G Class Driver's License of 5+ years, Government Clearance: Reliability Status, Canadian Citizen