

YUTAEK (YUTECH) HWANG

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WORK EXPERIENCE

Full Stack Software Developer

April 2018 – Present

Hayle, Ottawa ON

- Work in a small team, interacting directly with clients, to fully develop new websites
- JavaScript, TypeScript, HTML/CSS, Angular, Bootstrap, APIs, SDKs NoSQL

Database Administrator

Jan 2022 – April 2022

Department of National Defence, Gatineau QC

- Analyze DND database involving contracts, working closely with end users to troubleshoot errors
- Creating new and improving old database features and functions
- Update layouts and design (improve UI elements) for easier and more organized use

IT Business Analyst

June 2021 – April 2022

Export Development Canada, Ottawa ON

- End user bug testing of various applications
- Trained in SCRUM principles to be applied in future teams
- Project management and ownership experience

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
- Provide strategic advice and technical support

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
- Software bug tested and troubleshooting
- Adhered to client (Canada Gazette) requests on the go and informed them of any issues

Desktop Support Specialist / Local Area Network 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

EDUCATION

Bachelor of Computer Science in Software Engineering, Minor in Business

Carleton University

September 2017 – April 2022

PROJECTS

CubeMania - Web Store

School Project

- Designed a fully functional web store with PayPal integration based on strict specifications.
- Through an effective use of Node.js, JavaScript, MongoDB, and material design guidelines, users can browse and purchase items through PayPal.
- Items were dynamically generated based on a MongoDB database, managed by an administrative backend to easily add and manage items and inventory

weCU - Particle Electron/Mobile App

Hackathon Project - Winner of Best Security Hack

- A Particle Electron Smart Home monitoring system without the need for power or Wi-Fi by utilizing the Telus GSM network. A hardware device accompanied by a mobile app.
- Coded some backend interface for the hardware and the Firebase server, optimized networking for low power use while being secure.
- Coded some front end using React Native to convert real-time JSON data from a Firebase server for display on a user-friendly front end.

Moody Toons - Android App

Hackathon Project

- A mobile application that was intended to provide a song or playlist depending on the user's mood
- Coded the front and back end of the app in an extremely limited amount of time
- Implemented YouTube API to grab songs/playlists, with Java and Android Studio

RELEVANT SKILLS, EXPERIENCES, AND ACCOMPLISHMENTS

Programming Languages, Frameworks, and Other Skills

JavaScript | PHP | HTML / CSS | Drupal | Jira | Confluence | Java |
XAMPP | C++ / C | REST | MySQL | APIs | JSON | MongoDB | Python |
SQL | MySQL | Linux & Virtual Machines | Node.js | Android Studio | Git |
GitHub | Microsoft | Node.js | SharePoint | Lean Kit | Planview | OpenStack |
VMWare | Agile | Scrum | Project Management | React | Angular | Netlify |

CERTIFICATIONS / LICENSES

Bronze Cross (Assistant Lifeguard Certificate)

Standard First Aid with CPR-C

Emergency First Aid with CPR-B

G Class Driver's License of 4 years