Andy Yun

hongjunyun
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Skills

Programming Languages: C, C++, JavaScript, Python, Java, HTML, JSON. SQL
Tools: AWS, GCP, Node.js, npm, GitHub, Arduino, Oracle IDE, Xcode, Visual Studio, Visual Studio Code, MySQL, Express.js, WebSocket, Linux, macOS, Windows, Autodesk Fusion 360, CentOS, MQTT

Experience

Full Stack Developer
TEMS Academy
Waterloo, ON, Canada
Oct/2020 – June/2021

- Designed the company's website structure for the tutors and students to communicate on
- Developed the website using **PHP/JavaScript/HTML/CSS** for the front-end
- Used **Node.js/MySQL/Express.js/WebSocket** running on **GCP/AWS** platforms and **CentOS** for back-end

Software Developer Co-op
The Hacksmith
Kitchener, ON, Canada
Oct/2019 – Jan/2020

- Wrote code for the products for company's internal use
- Developed several pieces of software using multiple libraries and languages such as **Python, Arduino, Node.js**
- Communicated and worked with the supervisor and coworkers on site and remotely
- Created the website and back-end applications on **Linux/macOS/Windows** environment using **JavaScript/HTML/SQL**

FIRST Robotics Software Team
Resurrection Catholic Secondary School
Kitchener, ON, Canada
Oct/2019 – May/2020

- Developed software for telemetric operation of the robot
- Wrote code in **Python**, **C**, **C++**, and **Java** for roboRIO and Raspberry Pi 3B using OpenCV
- Communicated and worked with team members and team supervisor
- Applied the concepts from geometrics and calculus to support the autonomous software with the processed data extracted from the real time camera feed

Projects

Logic.Gate Coding tutoring Platform Project
2021

- Designed to provide the platform for synchronized and seamless coding learning experience
- Used **HTML**, **CSS**, **JavaScript**, **NodeJS**, **Flask**, and **SQL** for prototyping
- Involved team working environment, **GitLab** for collaboration, and planning as the team leader took place
- Projected to be further developed continuously

Sudoku Solving Projects
2019

- Designed to guide the user on how to solve a sudoku puzzle by providing problem-solving skills to develop from
- Used **C/C++** on **Xcode** for development
- Used **recursion** and multiple **data structures** for the algorithm to modify the solving process of a human

Education

University of Waterloo 2021 - 2026
Candidate for Bachelor of Applied Science in Computer Engineering

- 2021 University of Waterloo President's Scholarship
- 2021 Waterloo Catholic DSB International Student Scholarship