




Andy Yun

 hongjunyun

 Website: <https://git.io/JXa1p>

 GitHub: <https://git.io/JXaXP>

 Email: andy.yun@uwaterloo.ca

 Phone: 226-507-9755

Skills

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

Platform/Devices: AWS, GCP, Git, Arduino, Linux, UNIX, MQTT, PLC, GPGPU, CUDA

Framework/Library: Node.js, Express.js, WebSocket, PySide2, TensorFlow, PyTorch, OpenCV, Anaconda

Experience

Full Stack Developer

TEMS Academy

Waterloo, ON, Canada

Oct/2020 – June/2021

- Designed the architecture of a **web platform** for the tutors and students to communicate on
- Reduced communication overhead by 50%, allowing the tutors to focus on lessons
- Constructed the web platform using **PHP/JavaScript/HTML/CSS** for the front end
- Used **Node.js/MySQL/Express.js/WebSocket** running on **GCP/AWS** for the back end

Software Developer Co-op

The Hacksmith

Kitchener, ON, Canada

Oct/2019 – Jan/2020

- Wrote Arduino and web-based codes for the products for the 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 both on-site and remotely
- Created the website and back-end applications on **Linux/UNIX/Windows** environment using **JavaScript/HTML/SQL**

Software Developer Co-op

Stackpole International

Ancaster, ON, Canada

Jan/2022 – April/2022

- Built GUI, machine learning and telemetry software
- Used **Python, PySide2, OpenCV, TensorFlow, and PyTorch** for Omron PLC and GPU servers
- Combined GUI, Machine Learning, and Networking stacks to assist production line workers to detect defects in the product
- Applied knowledge related to the memory address, binary numbers and other mathematical knowledge while programming for PLC controllers through the ethernet connection

Projects

Logic.Gate Tutoring Platform Project

- Designed and in the progress of developing an online platform for programming education
- Used **HTML, CSS, JavaScript, Node.js, PHP, and SQL** for prototyping
- Involved team working environment, **GitHub** for collaboration, and planning
- I have directed and implemented the project as both **team leader** and **lead developer**

Waterloo, ON, Canada

Sep/2021 – Ongoing

Education

University of Waterloo

Candidate for Bachelor of Applied Science in Computer Engineering

Waterloo, ON, Canada

Sep/2021 – Current

- 2021 University of Waterloo President's Scholarship
- 2021 Waterloo Catholic DSB International Student Scholarship
- Relevant courses: ECE 106, ECE 108, ECE 124, ECE 140, ECE 150, ECE 198