

in hongjunyun

Website

GitHub

⊠Email

Skills

Programming Languages: C/C++, JavaScript, Python, Java, HTML, json

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

University Mentor

TEMS Academy

Waterloo, ON, Canada Oct/2021 – Present

- Assisted Secondary School students with Studying habits and skills
- Communicated with the supervisor about the student and their performance
- Held regular meetings with each student

Volunteer

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

Cooperative Education Student

The Hacksmith

Kitchener, ON, Canada

Wrote code for the products for company's internal use

- Oct/2019 Jan/2020
- 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

Projects

The Tower of Hanoi puzzle

2021

- Designed to be used as a puzzle for escape room by timing and the correctness of the puzzle
- Used STM32 Nucleo-64 board and C for programming
- Included Autodesk Fusion 360 and Visual Studio Code as development tools
- Involved team working environment, GitLab for collaboration, and documenting aligned with engineering profession

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 \$2,000 amount
- 2021 Waterloo Catholic DSB International Student Scholarship \$500 amount