Andy Yun

🔗 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
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**

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