Wilson Wang

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TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: NodeJS, Flask
Developer Tools: Git, Bash, DataGrip, Visual Studio, PyCharm
Communication: English, French, Chinese
Other: First aid and CPR C, MS Excel

PROJECTS

Spacebot2 | *Git, Python, SQL, Bash, CRON* — Oct 2020 – Present
- Developed a discord bot to aid players of an online game to effectively organise events and manage roles
- Implemented a solution to ensure near 24/7 uptime through CRON tasks, and modularization
- Created SQL tools to store, manipulate, and retrieve user data

Wilsonfwang.com | *NodeJS, JavaScript, HTML/CSS* — Jan 2019 – Present
- Developed an interactive landing page for people to browse projects.
- Created all the back-end routing with Express and Socket.io

Class4Corona | *Git, NodeJS, FireBase, JavaScript, JQuery, HTML/CSS* — Mar 2019 – Sept 2019
- Developed a full-stack web application for simple and free virtual education
- Designed a solution using cookies to transport data between pages
- Implemented the JQuery backend for web communication

Pressure | *Processing (Java)* — Jan 2017 – Feb 2017
- Developed a 3D cellular automata to simulate explosions and pressure in Processing
- Implemented a method to visualize and interact with a 3d space on a 2d plane using slices
- Created a well designed interactive user interface using G4P libary

ACHIEVEMENTS

Distinction in the Gauss, Pascal, Fermat math contests	
Distinction in the junior and senior Canadian Computing Competition	
Jam Hacks 1st place hack	2017
Halite Bot Coding Contest Bronze Tier, Silver Tier	2017 – 2018
Attended Hack the North (High School participant)	2017 – 2018
Air Army Navy's Veterans Medal of Merit	2018
Lord Strathcona Medal	2020

WORK EXPERIENCE

Cadet Flight Sergeant — Borden, ON
Blackdown CTC — *June 2018 – August 2018*
- Crafted routine orders and maintained detailed records of the cadets
- Ensured that the tasks assigned for the day were completed on time, and well
- Developed excellent communication and interpersonal skills through teaching

EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Mathematics — *Sept 2020 – May 2025*
- MATH135   Algebra for Honours Mathematics
- MATH137   Calculus 1 for Honours Mathematics
- CS135   Designing Functional Programs
- SPCOM223   Public Speaking