

Jen-Wei (Will) Huang

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EDUCATION

- **Bachelor of Science in Software Engineering**

Sep 2017 - Dec 2022

University of Calgary

Calgary, AB

- GPA: 3.55 With Distinction; Dean's List (2020-2021)

SKILLS

- **Programming Languages:** Python, SQL, Java, C, C++, C#, JavaScript, HTML, Bash, Solidity
- **Tools:** Git, GitLab, React, Node.js, express.js, Bootstrap, PyCharm, Visual Studio, Firebase, MySQL, SQLite, NoSQL, Heroku, Junit, Selenium, Figma, Qt, Tenderly, Unittest, VirtualBox, KRDC, Wireshark
- **Others:** Software architectures, Object-oriented design, Cyber Security, Embedded Systems, Software Testing, UI design, Software performance, Agile and Scrum, JIRA, UML diagrams, Linux, Windows, ChatGPT

EXPERIENCE

- **Software developer intern**

May 2021 - Aug 2022

Nanalysis Scientific Corp.

Calgary, AB

- Consulted with stakeholders to develop new and customization of the existing features for the high field NMR spectrometer using Python.
- Performed unit and integration tests for the software using Python unittest and compiled detailed reports of software bugs with JIRA to ensure software quality.
- Revamping the UI and UX of the benchtop NMR to a more intuitive layout using Qt.
- Automated hardware testing by integrating with software scripts to speed up the process.

PROJECTS

- **Pictionary**

- A client-server based online game that allow multiple users to play Pictionary in real-time.
- Designed intuitive layouts and real-time canvas for users to draw and display.
- Developed RESTful APIs to provide client services, while using sockets to communicate between front-end and back-end.
- **Technologies used:** HTML, CSS, JavaScript, React, Express, Socket.io, NoSQL, Firebase, p5.js

- **Tracking System**

- A web application along with a mobile app that allow staff to track real-time location and organize the company's assets.
- Conducted requirement elicitation with the stakeholders to design the application layout.
- Applied multiple Google APIs to organize user schedules and real-time location.
- Developed an automatic test to ensure software quality.
- **Technologies used:** React, JavaScript, GoogleAPI, Firebase, NoSQL, Flutter

- **Smart Contract Bot**

- An automatic program that listening on the block-chain in real time and interact with smart contracts directly.
- Analyzed multiple smart contracts and adjusted the program to achieve different needs.
- **Technologies used:** Blocknative, Alchemy, JavaScript, Solidity, Ethereum