

Nancy (Duo Yuan) Li

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Education

COMPUTER ENGINEERING | 2018-2022 | UNIVERSITY OF TORONTO

- Sessional GPA: 4.0
- Related coursework: Computer Algorithms and Data Structures (C, C++, Python), Software Communications (C++), Digital Systems (Verilog HDL, Assembly), Linear Algebra, Calculus,

Skills

- **Programming:** Python (Flask, Pandas), C++, C, HTML, CSS (Bootstrap), VueJS, jQuery, NodeJS
- **System:** MYSQL, AWS (s3, lambda), Python Pip/Virtualenv
- **Soft:** Organized project directory, clean and efficient code, clear and concise documentations, fast learner

Experience

FULL STACK DEVELOPER INTERN | UNIAIM CO., LTD. TOKYO, JAPAN | MAY 2019 – AUGUST 2019

- Created frontend interface and implemented RESTful and backend APIs to access the internal and external database for Japanese Basketball League using **Python Flask, VueJS, Bootstrap, and MYSQL**.
- Automated manual process for Salesforce data generation by updating, creating, and uploading csv files to SFTP server using **AWS Lambda, Python Pandas** and other libraries.
- Worked closely with the project manager and other teammates, creating documents on web page design, database structure, and testing. Wrote manuals for clients explaining functionality of the web system.

Projects

CHESS GAME

- Used Python to implement an AI chess player with binary tree and minimax algorithms to evaluate the winning strategies.

MONEYPONG (SEPTEMBER 2019 – PRESENT)

- Developing a web-based pong game with cryptocurrency integration in a team of five.
- Implemented frontend login/signup pages and RESTful APIs connecting to backend using **HTML, CSS, jQuery, and NodeJS**.
- Applying for University of Toronto's Hatchery Program for entrepreneurship

CITY MAP (JANUARY 2020 – PRESENT)

- A semester-long team project building a city map using **C++** for Software & Communications course.
- Obtained and stored data from Open Street Map API using **STL** data structures and implementing the graphics using **EzGL**
- Design, implement and communicate a usable and responsive city map through research, writing, and presentations.