

WEIAN DENG

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EDUCATION

B.E., Computer Engineering

University of Toronto, Toronto, Ontario

Faculty of Engineering and Applied Science

Relevant coursework: Computer Programming, Hardware Design, Mathematics, Finance

Graduating May 2027

3.85 GPA

TECHNICAL SKILLS

Front-end Development: HTML, CSS, JavaScript, ReactJS, Flask, Kotlin

Back-end Development & Database Management: Python, Java, C++, SQL

Microsoft Office Suite: Office Word, Excel

EXPERIENCE

University of Toronto, Toronto: CLNx Web Content & Data Assistant

May 2023 – Present

- Develop automating content formatting program for CLNx website using python, increase the working efficiency by 90%. (Python, HTML)
- Adopt website design knowledge to assist in creating a style guide for website content, improve the readability of website content significantly.

Top Olympiads Center, Mississauga: Front-end Web Developer & Teaching Assistant

July 2023 – Present

- Utilize front-end development skills to design and develop the company website, resulting in an interactive and user-friendly website. (ReactJS)
- Prepare and organize High School Math Materials for tutoring, receive positive feedback from students.

PERSONAL PROJECTS

Music Genre Classification Deep Learning Project

Summer 2023

Collaborate in a team of four members to develop a deep learning model to classify music genres using pytorch.

- Adopt Convolution Neural Network and Recurrent Neural Network to build the deep learning model. (Pytorch)
- Clean and manipulate an online music database for training the model. (Pandas)
- Reach an accuracy of 56% on testing dataset.

Excel to Word File Contract Generator

Spring 2023

Individually developed a contract generator that generates contracts from specifications in excel sheets to word files

- Utilized Python modules to extract and analyze data from Excel sheets. (Pandas, Xlsx)
- Overwrote Word files with desired format to generate contracts. (Python-docx)
- Adopted by China Construction Bank to generate specific contracts, resulting in a 90% increase in the efficiency.

ACTIVITIES

IEEE University of Toronto Student Branch

September 2022 – Present

Senior Logistics Associate in the Institute of Electrical and Electronics Engineers University of Toronto Branch

- Led in planning and organizing 2 Hackthons at University of Toronto Campus
- Lead in preparing and hosting SQL workshop with over 40 attendees

Semi Online Study Circle

March 2020 – August 2022

Chair of the non-profit organization which provides free tutoring for all primary students in the school district

- Initiated the non-profit organization providing accessible tutoring services to about 200 primary school students.
- Oversaw the organization's daily operation, coordinating and assigning tasks to all of members

AWARDS, RECOGNITIONS, QUALIFICATIONS

BC Achievement Scholarship: One of the 8000 graduates with the top academic achievement in the province

2022 Andrew Rok Loran Finalist: Being selected as one of the 90 finalist across Canada of the 2022 Loran Scholars