TERRY LUAN

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SKILLS

- Languages: **Python (5 years), HTML/CSS/JS (3 years), Java (6 years)**, **C++(4 years), Rust (2 years), SQL (1 year)**
- Frameworks: **React/Redux (3 years), Express (2 years), Flask (1 year), AngularJS (1 year), Django (1 year), TensorFlow (2 years), Numpy/Pandas (2 years), PyTorch (1 year)**
- Proficient in leading in **Agile/Scrum**, **Asana/Jira,** and **Git** Environments (Used in 3 projects over 3 years)

EXPERIENCE

Univeris – Software Developer   Aug. 2022 –Aug. 2023

- Migrated from **JBOSS SEAM** Framework to **Java Server Faces** within 3 major projects
- Migrated more than 20 internal and external modules from Java 8 & Java EE to **Java 17** & **Jakarta EE** and **Spring 3**
- Resolved **Vue 2** and Java 8 tickets throughout multiple projects in an Agile/Scrum environment
- Security Champion of the Platform Maintenance Team to ensure high code quality

Physical Security Village – Logistics & Volunteers Director   July 2022 – Present

- Recruited, managed, and organized over 50+ volunteers at 3 different conferences across North and South America
- Organized travel logistics for 15 people to travel to the DEF CON security conference
- Maintained contact and arranged logistics with organizers for the DEF CON & Ekoparty conferences
- Created marketing material for use in the conferences

Canadian Musicians Coop – Web Developer/Systems Admin   July 2021 – Sept. 2021

- Worked with a team of UI designers, stakeholders, and copywriters to recreate the website(www.canadianmusicians.coop) through 3 iterations using **EditorX**
- Used **HTML/CSS/JS** to create custom newsletter, calendar and sign up widgets
- Connected the Shopify API to allow customers to order food products

Engineers Without Borders - ML Engineer   Jan. 2021 – Dec. 2021

- Worked with 2 developers to create a preprocessing algorithm using **Python**, **Jieba**, and **SnowNLP** to crawl Github and separate Chinese and English texts
- Created an **Artificial Neural Network** using **Spacy** and **Pytorch** to classify Chinese texts into political and apolitical texts with an accuracy of 93%

PERSONAL PROJECTS

A Star Chooser – *Full Stack Developer/Scrum Master*   Sept. 2021 – Present

- Led a team of 5 developers to deploy a Course Selection Website using **Flask, Django** and **ReactJS**, eventually porting the project to use **NextJS**, and **Docker**
- Created components on Figma, importing them to the website through **ReactJS**
- Created a web-scrawling function using **BeautifulSoup** to populate the **MongoDB** database
- Used **Flask** to integrate the backend and frontend together on **Heroku**

Mini C Compiler – *Technical Lead*   Sept. 2020 – May 2021

- Designed a compiler in **C++** designed to take a set of instructions in a subset of C, parse and compile it to an executable program
- Used the **LLVM** and **ANTLR** libraries to perform multiple small optimizations including **register allocation,** loop unrolling, **dead code elimination,** and constant folding

EDUCATION

Bachelor of Applied Science Candidate   Sept. 2019 – Dec. 2024
University of Toronto
Pursuing a BASc in Electrical and Computer Engineering with a double minor in Artificial Intelligence, and Biomedical Engineering

Relevant courses include:
Software Engineering, Operating Systems, Distributed Systems, Algorithms and Data Structures, Computer Networks, Computer Systems Programming, Compilers and Interpreters
Relevant conferences include:
DEF CON 30/31, Ekoparty, The RSA Conference