

Linh Nguyen

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EDUCATION

University of Alberta

Bachelor of Science Honours in Computing Science

Sept 2021 – 2025

Edmonton, AB

- **GPA:** 3.5
- **Coursework:** Data Structures and Algorithms, Databases, Computer Systems, Machine Learning

PROJECTS

FitAI ([Github](#) - [Dev Post](#))

Jan 2023

- Built an Android fitness application with over 5 fitness features such as sleep tracking, steps counting, calculating calories burnt based on exercise and health data, counting calories intake from a specific food photo and validating exercise forms
- Utilized Flutter to create a high quality UI that provided intuitive interaction
- Applied Tensorflow to determine landmarks of body joints and used mathematical functions in Javascript to validate the exercise form with 95% accuracy
- Skills used: Dart, Django, Javascript, Flutter, Tensorflow

ASLingo ([Github](#) - [Dev Post](#))

Oct 2022

- Developed an Android application, that is used to practice American Sign Language knowledge for beginners, which has 100+ active users per day
- Used Mediapipe to recognize human hands and fingers and applied Tensorflow to train the model for image classification which produced 98% accuracy
- Skills used: Tensorflow, Mediapipe, Vue.js, IonicCapacitor, HTML, CSS, Django

Simple Chat Room ([Github](#))

Sept 2022

- Developed an encrypted Terminal messenger application for a LAN using Python that allows multiple users communicate with each other securely
- Applied the concept of socket programming to establish communication between a server and clients
- Used multi-threading concept to handle multiple client-server connections which provided faster processing time
- Skills used: Python

Image Classifier using CNN and Transfer Learning ([Github](#))

Apr 2022 – June 2022

- Created an image classifier to identify whether images contain dogs or cats using CNN and Transfer Learning in Python with 99% accuracy
- Loaded and prepared the dataset of 3000 photos of dogs and cats for modeling
- Developed a convolutional neural network (CNN) for photo classification and improved model performance
- Skills used: CNN, Tensorflow, Keras, Transfer-Learning

Online White Board ([Github](#))

Jan 2022

- Developed a collaborative and interactive whiteboard interface with high-quality visual elements using Web-Socket, Node.js and React.JS
- Utilized web-socket to establish a secure connection between multiple users
- Skills used: Web-Socket, Node.js, React.js

SKILLS

Programming : Dart, Python , Java, C/C++, JavaScript

Web & Database : HTML/CSS, SQL (sqlite3, MySQL), MongoDB

Frameworks : Flutter, Node.js, Vue.js, React.js, OpenCV, Django, Tensorflow, Keras

Tools : Figma, Jira, Teams, Trello, Google Analytics, Git/GitHub