

# JESSIE NINJIE WANG

Toronto, ON | [Github](#) | <https://jwaanng.github.io/> | [LinkedIn](#) | jwaanng@gmail.com

## EDUCATION

---

### UNIVERSITY OF TORONTO

Major in Computational Cognitive Science + CS + Math

Toronto, ON

Expected May 2026

## PROJECTS

---

### UoftGuesser | React, Express.js, MongoDB, Google Cloud | [GitHub](#) | [DEMO](#)

- Developed a fullstack trivia style guessing game based on the University of Toronto campus
- Used MongoDB to store location data and photo data using google cloud APIs, connecting to a react front end using express.js

### Escape From LOL | Godot, GDScript

- Created an **RPG game** personifying love-hate relationship with video game LoL
- Implemented core game mechanics, such as player movement, combat systems, and non-player mobs, lives, story, animation system and dialogue using GDScript.
- Utilized Godot's node system for efficient scene management and resource handling.
- Optimized game physics using real life physics

### AI Pong | Python, NEAT | [Github](#)

- Implemented NEAT-Python algorithm to evolve an arbitrary neural network to play a python implementation of pong against a real player.

### EAT EAT | Python, Tkinter | [Github](#)

- Used OOP fundamentals to implement a node-based map giving users restaurant recommendations based on preferences and proximity in a team of 4.
- Used Tkinter package to create intuitive UI, where user can input preferences and choose map options
- Utilized Tkinter map view to create a user-interactive map of restaurants based on a CSV dataset of locations, classification of food, prices, and coordinates.

### FindAPet | Java, Java swing, Google maps

- Created a comprehensive application, inspired by modern dating-app mechanics, to facilitate pet adoption and listing in a team of 5.
- Implemented **CLEAN** architecture principles, ensuring a robust and maintainable backend.
- Leveraged Java Swing to design a user-friendly interface, supporting use cases including account creation, login, intuitive pet swiping, and matching functionalities.
- Integrated Google Maps API, enhancing the application with geolocation capabilities. This allowed precise user location tracking and the development of a sophisticated algorithm for optimally matching potential adopters with pets.

### Personal Portfolio | React.js, HTML, CSS | [Github](#)

- Used React.js, HTML, CSS to create a **fully responsive personal portfolio**, fit for various screen and device sizes
- Developed custom interactive components using React.js, including a dynamic gallery, addition of tags, information blocks, animations, responsive navbar, contributing to an engaging user interface across all screen sizes
- Implemented React Router for fluid navigation between pages, enhancing the site performance and engagement from 100% of peers

## WORK AND TEAM

---

### Coco Fresh Tea and Juice

Shift Supervisor

July 2021 – Present

### FIRST Robotics

Programmer and Team Lead

Nov 2020 – June 2022

- Led a team of 15 to analyze, discuss, build, and problem shoot a robot that would be used in competition, throughout regional and provincial competition. Familiarized in JavaBot, CAD softwares, 3d printing and design.
- Created and presented a log book/'notebook' documenting engineering progress, setbacks, solutions, designs over the competition.