JESSIE NINJIE WANG

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EDUCATION

UNIVERSITY OF TORONTO Toronto, ON
Computational Cognitive Science + Computer Science + Math Expected 2026

EXPERIENCE

UofT Neurotech Oct 2023-Present
Web Developer

- Used **TS, React, Three.js, TailwindCSS** and others to create a responsive, intuitive, and aesthetic website for UofT Neurotech team in a team of 4

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.

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 database to store location data and photo data using google cloud APIs, connecting to a react front end using express.js

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- a fusion between a dating app and adoption!.
- 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 web application**, fit for various screen and device sizes to ensure user experience
- 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

Skills

Programming Languages: JavaScript, Typescript, Python, Java, HTML + CSS
Technologies: Firebase, GoDot, React.js, Node.js, Express, JSwing, Three.js, MongoDB, PyTorch, PyTest, Junitest