Jerry Wang

Toronto, Ontario | 778-251-6946 | Jerryja2015@gmail.com | Personal Website | LinkedIn | GitHub

EDUCATION

University of Toronto St. George Campus   *Expected Graduation: June 2025*
- Bachelor of Science in Computer Science, Statistics and Economics
- **Relevant Coursework**: Software Design, Web Development, Databases, Data Structures, Algorithms, System Programming, Machine Learning, Statistical Theory, Data Analysis, Time Series Analysis, Computational Statistics, Econometrics, Linear Algebra, Micro/Macro Economics, Financial Economics

Machine Learning Specialization | Certificate in Machine Learning   *Coursera*
- Developed knowledge in **prediction, classification, and unsupervised learning** using techniques such as **regression models and artificial neural networks**.
- Applied **NumPy, Pandas, and scikit-learn** to build and optimize ML models.

TECHNICAL SKILLS AND INTERESTS

Languages : Python, C, Java, Kotlin, SQL, R, JavaScript, TypeScript, CSS, HTML, Bash, Assembly
Frameworks and Libraries : React, React Native, Vue.js, Tailwind, Flask, Django, REST API, Bootstrap, NumPy, Pandas, Tensorflow, Scikit-learn
DevOps and Tools : Git, Docker, Postman, Linux, LaTeX, PostgreSQL, AWS EC2, Firebase, SupaBase, Heroku, Netlify
Others : Excel, Microsoft Office
Interests : Mathematics, Machine Learning, Piano, Muay Thai, Hiking, Fishing, League of Legends

EMPLOYMENT HISTORY

Contract Web Developer   *Sept 2024 – NOW*
- Designed and developed a **responsive marketing webpage** for a yacht management company, enhancing online presence and client acquisition using **React, TypeScript, Node.js, and AntDesign UI library**.
- Collaborated closely with client to translate design requirements into a functional site. Increasing **Business traffic** by **17%**
- Deployed and hosted the site on Netlify, ensuring a **CI/CD workflow for seamless updates and version control.**
- *Live Demo: Yacht-Advertisement Site Showcase*

Retail Sales Associate | *Berry's Bait & Tackle Ltd*   *Apr 2019 – Sept 2020*
- Provided **technical product guidance** and **troubleshooting** to customers, ensuring they selected the best solutions for their needs. Developed strong **problem-solving and communication skills.**
- Shared my passion for fishing by guiding customers to the best gear and tackle for their needs.
- Built a **customer relationship management system (CRM)** using Excel to improve follow-ups.
- Leveraged **data-driven sales insights** to identify customer preferences.

PROJECTS

Cell-Growth-Simulation (2 Iterations) | *Algorithm Design, TypeScript*   *Dec 2024 – Jan 2025*
- Developed an interactive web simulation capable of handling up to 10 million cells, demonstrating **large-scale data optimization**.
- Implemented a **granular rendering** approach and a **reactive state architecture**, reducing redundant computations and enabling **large-scale, real-time updates**.
- Hosted on Github Pages: *V1* | *V2*

Pet adoption site | *JavaScript, Django, React*   *Dec 2023*
- Developed a full-stack web application with **15** distinct pages using **Agile methodologies**, enabling users to post, search, filter, and apply for pet adoptions.
- Employed **Django REST Framework** for a scalable back end; integrated **React** for efficient frontend rendering.
- Deployed the back end on **Heroku** and front end on **Netlify**, gaining hands-on experience with **CI/CD pipelines**.
- Collaborated with **three other** developers using Agile methodologies, iterative sprints and regular team meetings to ensure continuous feedback and improvement.
- *Live Demo: Pet Adoption Site Showcase*

Recipe Data Analysis | *Python, SQL*   *Jan 2025*
- Developed a web scraper using **Python** and **BeautifulSoup** to **collect, Clean and serialize** recipe data from various websites for analysis.
- Designed and executed complex **SQL queries** to **extract, analyze, and optimize data insights**, leveraging efficient indexing, joins, and subqueries for **high-performance lookups**.
- Performed **EDA using Pandas, Seaborn, and Matplotlib** to analyze ingredient trends. Identified data quality issues that impacted modeling, **preprocessing data and engineered features** for future improvements.

LANGUAGES

Fluent in English and Mandarin