

# Jerry Wang

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## 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 (PostgreSQL), R, JavaScript, TypeScript, CSS, HTML, Bash, Assembly

**Frameworks and Libraries :** React, React Native, Next.js, Vue.js, Tailwind, Flask, Django, REST API, Bootstrap, NumPy, Pandas, Tensorflow, Scikit-learn

**DevOps and Tools :** Git, Docker, AWS EC2, Linux/Unix, Firebase, SupaBase, Heroku, Netlify, Excel, LaTeX

**Interests :** Mathematics, Machine Learning, Piano, Muay Thai, Hiking, Fishing, League of Legends

## EMPLOYMENT HISTORY

### Contract Web Developer | OceanWave Ltd

Sept 2024 – Jan 2025

- Engineered a **responsive React/TypeScript marketing site** that **increased online inquiries by 17%**, boosting lead generation for yacht management services.
- Translated client specifications into interactive UI components, **improving turnaround time by 25%**.
- Set up CI/CD with Netlify for zero-downtime deployments and rapid iteration, **reducing development cycle time by 40%**.
- *Live Demo: [Yacht-Advertisement Site Showcase](#)*

### Retail Sales Associate | Berry's Bait & Tackle Ltd

Apr 2019 – Sept 2020

- Delivered tailored fishing gear solutions to **over 700 customers, increasing customer retention by 15%**.
- Analyzed sales patterns to recommend inventory adjustments, leading to a **10% improvement in stock turnover rate**.
- Developed a lightweight **CRM system in Excel**, improving post-sale follow-ups and enhancing customer engagement.

## PROJECTS

### Duo Date (In Development) | React Native, Typescript, Expo, PostgresSql, SupaBase

Feb 2025 – Now

- Conceptualized and Spearheaded a cross-platform dating app for group experiences, **collected and analyzed 50+ user survey responses** to inform MVP design.
- Integrated **Supabase** for authentication and database management, and Stream Chat API for real-time messaging—**accelerated MVP delivery by 50 hours** and enabled seamless user communication.

### Real Talk | React, Next.js, Typescript, TailwindCSS, Google Analytics, OpenAI

Feb 2025 – Now

- Built a conversation-starter generator web app **used by over 200 users in the first month**.
- Integrated **Google Analytics** to track user interaction, improving UI flows based on real-time usage patterns.
- *Live Demo: [Conversation generator showcase](#)*

### Recipe Data Analysis | Python, SQL

Jan 2025

- Scraped and cleaned **4,000+ recipes** across **3 websites** using BeautifulSoup, **built a structured SQL dataset for downstream analytics**.
- Designed and executed complex **SQL queries** to **extract, analyze, and optimize data insights**, leveraging efficient indexing, joins, and subqueries for **high-performance look ups**.
- Performed **EDA using Pandas, Seaborn, and Matplotlib** to analyze ingredient trends. **Creating 3 feature sets for ML modeling**.

### Pet adoption site | JavaScript, Django, React

Dec 2023

- Developed a full-stack pet adoption platform with **15+ pages** using **React** and **Django REST Framework**.
- Deployed frontend and backend on **Netlify and Heroku** respectively; established **CI/CD pipeline** to enable rapid releases.
- Collaborated with **3 developers** using Agile sprints, reducing feature implementation time by **30%**.
- *Live Demo: [Pet Adoption Site Showcase](#)*

## LANGUAGES

Fluent in English and Mandarin