# EVERETT (YANNING) ZHANG

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## EDUCATION

**University of Waterloo (President's Scholarship)** 2020 - 2025 August
Bachelor of Computational Mathematics (**Minor in Computing**) Ontario, Canada
- **Courses:** Data Structure, Advanced Algorithm, Assembly, Discrete Mathematics, Linear Optimization, Statistical Analysis, Mathematical Modeling, Neural Networks

## PROFESSIONAL EXPERIENCE

**Alertdriving** - Software Engineer May 2023 - Aug 2023
- Led team of 3 interns in transitioning mobile display and compatibility for 15 different devices -*React*
- Developed over 80 REST APIs that improved runtime by 85% using cache and connection pool -*sql, JS, redis*
- Identified more than 3300 quiz questions with the bi-serial correlation model, improving quality of the study lessons -*python Pandas*

**eButterfly** - Web Developer Sept 2022 - Dec 2022
- Built administrative interface for the management team and increased efficiency by 600% - *React, JS, sql*
- Enhanced form pages user experience adding protocols limiting error and increase user engagement by 200%

**WizRobotics** - Front-end Developer Jan 2022 - May 2022
- Created Parent Portal Platform that allow users to perform class enrollment, cash payment transaction, as well as a calendar window to display user events. Improved payment process and 7x speed - *React, python, django*
- Performed API deployment and testing, AI tools to deploy unit testing and debug - *Postman, ChatGPT*
- Led competitive programming and robotic classes with taught over 20 students

**Perch** - Junior Full-stack Developer May 2021 - Aug 2021
- Conducted the rebranding process of company website. Improved user engagement by 300%, seo and search-rate by 5.5x, implemented accessibility methods and new UI for customer satisfaction - *Angular, TS, sql, Figma*
- Optimized on-page and off-page SEO to increase click-rate and orient towards target audiences.
- Researched and interviewed with e-signature providers by price and compatibility with current company website.

**Esihome Technology** - Junior Developer Oct 2020 - May 2021
- Worked with clients to construct a Shopify store webpage for selling and promoting products - *React, sql*
- Automated process of uploading data files and images onto Shopify, achieved increase in speed of 700%.
- Implemented CI/CD pipelines and utilization with CSV, XSL, and JSON types

## SKILLS

**Languages**: C++, C, Python, Java, SQL, HTML, CSS, JavaScript **FW**: React, Angular

**Tools**: Git, Flask, Bootstrap, Postman, Linux, Docker, Unity, Jira, Notion, Trello, Figma, Miro, VSCode

## PROJECTS

**StockAI - Hack Western** 2024
Constructed a prediction model used to project stock prices and 20% profited in a 30-day period using the strategy. -*LSTM neural network, tensorflow, python*

**GO Project - Hack the North** 2024
Created a user interface that can be used to play the classic Asian GO game. In addition, we constructed a simple bot to play against and were able to beat a medium-level bot 90% of the time. - *Java, Spring*

Also shared my coop experience on: https://uwaterloo.ca/co-operative-education/blog/post/finding-sense-direction-through-co-op