

# Yun Tao

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[y83tao.github.io/portfolio/](https://y83tao.github.io/portfolio/)

## Technical Skills

**Programming Languages:** Python, Java, C++, C#, C, JavaScript, PHP, SQL, HTML, CSS, Bash

**Frameworks & Libraries:** React, Angular, Node.js, Express.js, Cypress, .NET, GraphQL

**Tools/Technologies:** Git, AWS, Postman, Redis, VS Code, Visual Studio, SSMS, MySQL, Docker, Firebase, Linux

## Education

### University Of Waterloo

Waterloo, ON

Bachelor Of Computer Science

2025

- **Relevant Coursework:** Algorithms and Data Structures, Databases, Computer Networks, Operating Systems Security, Compilers, User Interfaces, Mathematics, Software Design and Architectures

## Work Experience

### Software Developer Intern

May 2024 – August 2024

Verisk Inc

Halifax, NS

- Migrated over 20 backend API endpoints and reduced request payload sizes by 20–72% as part of a backend migration initiative for an insurance modeling platform serving top 100 U.S. property insurers.
- Overhauled company form handling system by integrating JSON Forms for a more modernized schema-based form system, significantly improving developer workflow and productivity
- Led daily scrums during scrum-master absences, coordinating sprint across 6-person cross-functional team

### Software Developer Intern

September 2023 – April 2024

Dayforce

North York, ON

- Implemented tenant preloading step for a core microservice within monolithic SaaS application using C# and .NET, reducing cold-start latency by 63% for thousands of companies and millions of users.
- Eliminated redundant data transfer in high-volume microservice by refining request/response payloads and optimizing data types, improving end-to-end responsiveness by 10-34%.
- Delivered 12+ bug fixes and feature implementations while maintaining 95%+ code coverage
- Collaborated cross-functionally in agile environment using Git-based version control and CI/CD pipelines

### Software Engineering Intern

January 2023 – April 2023

Ford Motor Company Of Canada

Oakville, ON

- Shipped 15+ features and resolved 25+ defects to enhance system stability, latency, and user experience.
- Engineered frontend and backend features for Ford's order-processing workflow with React, Java and Spring Boot.
- Wrote automated end-to-end testing using Cypress, and used Quantum Metrics to monitor web performance

### Software Engineering Intern

May 2022 – August 2022

Alert Driving

North York, ON

- Rearchitected credential validation and storage system using modern cryptography (bcrypt, AES-256), passing third-party security audit and strengthening data protection for 10,000+ enterprise customers
- Resolved 7 bugs, shipped 5 features, participated in test-driven development cycles and regression testing sessions

### Full Stack Developer Intern

May 2021 – August 2021

Ostar Education

Richmond Hill, ON

- Engaged in web development, delivering an intuitive resource management website for tutoring service
- Engineered account creation and storing user files on SQL database with permission-based viewing

## Notable Projects

### ESCPEC | React, Amazon Web Services, Stripe

September 2020 - Present

- Built and maintained a serverless e-commerce platform supporting product purchases, product management, and order tracking using AWS Lambda, DynamoDB, S3, Cognito, and Stripe for specialized HVAC industry units
- Implemented SEO strategies that drove thousands of site visits and over 2,000 unique purchases

### Bridal Post Dental | React, Vite, VS Code

January 2025 - Present

- Built and deployed a production full-stack web application for a dental clinic using React, Vite, SQL, and REST APIs, enabling online appointment scheduling and data persistence
- Supported 200+ real patient bookings and 10,000+ visits on a live customer-facing platform, collaborating with stakeholders to iterate and maintain features