

Tingxu Yuan

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Summary

Results-driven CS undergraduate with experience in full-stack development, machine learning, and data analysis. Proven ability to lead projects, optimize performance, and deliver scalable solutions. Seeking software engineering or data-focused roles.

Education

University of Washington, Seattle, WA

Sep 2023 – Present

Bachelor of Science in ACMS(Applied Computational and Mathematical Sciences)

GPA: **3.77/4.0**; Dean's List (Multiple Quarters)

Relevant Coursework: Data Structures and Algorithms, Software Development

Skills

Languages: C/C++, Java, Python, JavaScript, TypeScript, SQL, OCaml, Racket, Ruby

Tech: React, Vue, Spring Boot, Node.js, Hardhat, Redis, MongoDB, MySQL, TensorFlow, Ethers.js

Experience

VisionX – Decentralized Energy Marketplace

Full-Stack Lead — Jun 2025 – Aug 2025

React, Vite, Ethers.js, MetaMask, Hardhat

- Led front-end development for blockchain energy trading dApp with 4 responsive pages.
- Integrated MetaMask & smart contracts, enabling secure ETH transactions.
- Reduced load time by **35%** via code splitting & lazy loading.
- Authored onboarding docs, cutting developer setup time by **50%**.

Tianjin Yinhai Software

Full-Stack Intern — Jun 2024 – Sep 2024

Java, Spring Boot, Vue.js, Redis, JUnit

- Built hospital management system with role-based access & scheduling.
- Refactored backend to RESTful microservices, cutting API latency by **30%**.
- Achieved **95%** test coverage using JUnit & Postman.

Mobalytics

Data Science Intern — Jun 2022 – Aug 2022

Python, Scikit-learn, Pandas, SQL, TensorFlow

- Built churn prediction model improving accuracy by **18%**.
- Engineered behavioral features from gameplay logs using SQL & Pandas.

Projects

Generative Adversarial Network (GAN) Research

Jun 2022 – Aug 2022

Collaborated with MIT researchers; developed GANs reducing overfitting by **15%**. Co-authored IEEE conference paper.

Wedding Reservation System

Jan 2023 – Jun 2023

Built full-stack guest management app with RESTful APIs & dynamic UI in Java & TypeScript.

Leadership

President, UW China Entrepreneur Network

Sep 2024 – Present

Lead 60+ members organizing workshops & networking events with average of 100+ attendees.

Publication

Liu, Z., Yuan, T., et al. (2021). Recent Advances of GANs. IEEE PPRAI Conference Proceedings.