

Chia-Wei (Eric) Lin

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EDUCATION

National Taiwan University

Taipei, Taiwan

Double Major in Computer Science and Finance

2021 – Expected 2024

- Dean's List Award: 1st Place in 2021 Fall (GPA: 4.3/4.3)
- Undergraduate Research Assistant at Theory of Computation & Computational Finance Lab
- Programming Coursework: Data Structures and Algorithms, Introduction to Decentralized Finance, Network / System Administration, System Programming, Web Programming

EXPERIENCE

Quantrend

Sep 2023 – Present

Backend Engineer

- Optimized high-frequency trading systems using multi-threading and advanced algorithms, achieving a 62% increase in speed
- Built a comprehensive backtest system to replay tick-by-tick cryptocurrency market data, created financial data operators, and benchmarked performance improvements
- Developed financial data preprocessing pipelines with Rust, reducing processing time by 20%, and uploaded data to AWS S3 with automated integrity checks

WorldQuant

May 2023 – Sep 2023

WorldQuant BRAIN Consultant

- Designed and submitted alphas to the BRAIN platform, achieving top scores in quality tests such as Sharpe, Turnover, Fitness, and Self Correlation

NTU, Office of Academic Affairs

Nov 2022 – May 2023

Backend Engineer Intern, Computer Information Management Division

- Built RESTful APIs in TypeScript for a brand new course website, ensuring type-safety and validation with Zod library
- Utilized Prisma ORM tool with PostgreSQL, improving data query speed by 88% with Redis caching

PROJECTS

Manten Japanese App

Sep 2023 – Present

GCP, Pulumi, Monorepo, Typescript, CI/CD, Docker

- Automated deployment and management of GCP infrastructure using IaC tool Pulumi
- Developed and managed a TypeScript monorepo with Turborepo
- Implemented CI/CD pipelines to run unit tests and build Docker images to GCP Artifact Registry

COMPETITIONS

Selection Camp of Asian Pacific Mathematics Olympiad

Jan 2019

Rank: Taiwan 7th

- Qualified for participation in APMO

WorldQuant International Quant Championship 2023

Mar 2023 - Jun 2023

Rank: World Top 2%

- Constructed alphas using historical market data and pre-defined operators on an online simulated backtesting platform

TECHNICAL SKILLS

- **Programming Languages:** Rust, C++, Python, TypeScript, HTML, CSS
- **Languages:** Mandarin Chinese (Native), English (Intermediate | TOEIC: 910)