

Chia-Wei (Eric) Lin

✉ eric.c.w.lin@gmail.com · ☎ (+886) 902-363-012 · in ericcwlin · 🌐 weitude · 🌐 weitude.com

EDUCATION

National Taiwan University

Double Major in Computer Science and Finance

Taipei, Taiwan

2021 – Expected 2024

- Dean's List Award: 1st Place in 2021 Fall (GPA: 4.3/4.3)
- Programming Coursework: Data structure & Algorithms, Algorithm Design & Analysis, Network / System Administration, System Programming, Introduction of FinTech, Machine Learning

EXPERIENCE

Quantrend

Backend Engineer

Sep 2023 – Present

- Implemented financial data preprocessing pipelines with Rust
- Advanced CPU instruction set / compiler optimizations for HFT systems

WorldQuant

WorldQuant BRAIN Consultant

May 2023 – Sep 2023

- Submitted alphas to BRAIN platform, which needs to pass quality tests such as Sharpe, Turnover, Fitness and Self Correlation test

NTU, Office of Academic Affairs

Backend Engineer Intern, Computer Information Management Division

Nov 2022 – May 2023

- Reduced data complexity by refactoring the Prisma schema and migrating to a Postgres database
- Improved information security by implementing JWT authorization with an SSO service

NTU CSIE, System Administration Team

Team Leader, Web Services Division

Sep 2022 – May 2023

- Taking courses and launch a web development related project (Proxmox VE High Availability)
- In charge of maintaining the KVM, reverse proxy... of our department

PROJECTS

Manten Japanese App

Typescript, Pulumi, GCP

Sep 2023 – Present

- Utilized Infrastructure as Code (IaC) tool Pulumi to automate the deployment and management of Google Cloud Platform (GCP) infrastructure
- Developed RESTful APIs in TypeScript for backend services, including features such as refresh token authentication and user role management.

COMPETITIONS

Selection Camp of Asian Pacific Mathematics Olympiad

Rank: Taiwan 7th

Jan 2019

- Qualified for participation in APMO

International Quant Championship 2023

Rank: World Top 2%

Mar 2023 - Jun 2023

- Construct alphas by using market historical data and pre-defined operators to simulate stock on online simulated backtesting platform

TECHNICAL SKILLS

- **Programmin Languages:** Rust, C/C++, Python, HTML, CSS, JavaScript, TypeScript
- **Web App Development:** Linux, Git, Docker, K8s, Pulumi, GCP, CI/CD, React, Express, PostgreSQL, MongoDB
- **Languages:** Taiwanese Mandarin (Native), English (Fluent | TOEIC: 910)