

# Kuan-you Lin (Yoyo)

📞 917 476 8864 | New York, NY

🔗 [Personal Website](#) [Most Updated Resume](#)

✉ [kl635@cornell.edu](mailto:kl635@cornell.edu) [linkedin.com/in/linkuanyou](https://www.linkedin.com/in/linkuanyou) [github.com/linvingalliswell](https://github.com/linvingalliswell)

## EDUCATION

### Cornell University

August 2021 – May 2023

M.S, double major in Information Systems - Connective Media & Computer Science Concentration

New York, NY

- GPA: 4
- Merit-based Scholarship
- **Courses:** Algorithms, Machine Learning, Virtual Reality, Cybersecurity, Cryptography, Blockchain & Smart Contracts

### New York University

January 2021 – June 2021

Certificate of Distinction in Computer Science (GPA: 4)

New York, NY

- **Courses:** Data Structure & Algorithms (C/C++), Computer Architecture, Computer Network, Operating System

### National Taiwan University

September 2016 – June 2020

B.B.A, in International Business (GPA: 3.6)

Taipei, Taiwan

- Exchange: Maastricht University - Data Science, Econometrics, Netherlands (Sep. 2019 – Mar. 2020)

## SKILLS

**Languages:** TypeScript, JavaScript, Java, Python, C, C++, C#, HTML, CSS, SQL, MongoDB, Redis, GraphQL, Solidity

**Tools:** Node.js, Git, Docker, Kubernetes, YAML, JSON, AWS, ESLint, NPM/Yarn, Poetry, Unity, Figma

**Frameworks:** React.js, Next.js, Storybook, Tailwind CSS, Express.js, Flask, Truffle, Web3, Jest, Mocha, React Testing Library, Pandas

## EXPERIENCE

### Software Engineer Intern

May 2022 – August 2022

Circle

New York, NY

- Built in **TypeScript, React.js, Next.js, Java**, and **Spring Boot** Circle Account, a multi-user 2B blockchain wallet, involved extensively in the **full-stack** product development with the 10-15 senior/staff engineers and PMs in a **Agile** and **CI/CD** cycle
- Designed and built with **Storybook.js, Figma, Tailwind CSS** many newly introduced features, enforcing **unit testing** with **Jest** and **React Testing Library**, Participating in **PR reviews**, e.g. introducing a new read-only user role affecting all the pages
- Contributed to the data layer by adding queries, mocks, and data sources in **GraphQL** and **Apollo** on API invoking; Additionally, investigated and resolved a **memory leak** affecting the entire codebase in the absence of the senior developers voluntarily
- Created **repository and DAO, classes** with **Jbdi** and **PostgreSQL** for the persistent layer blockchain wallet and wallet state model read and write operation, integrating to backend **API**, enforcing **integration test** against the DAO in **Docker** containers

### Software Engineer Intern

June 2020 – January 2021

BNP Paribas Cardif

Taipei, Taiwan

- Designed and built in **Python** the internal financial tool that algorithmizes the statement reconciliation of over 350 accounts and saved 70% working hours as the project leader cooperating with 15 cross-disciplinary agents
- Established greedy matching algorithms to work around NP-hard issues for the reconciliation, formatted raw statements of various kinds, designed project structures, and worked extensively with pandas, numpy, openpyxl, xlswriter

### Quantitative development Intern

July 2020 – December 2020

Yuanta Financial Holdings - Proprietary Trading Room

Taipei, Taiwan

- Built in **Python** algorithmized trading pools consisting of over 80 programming trading strategies with unsupervised machine learning models with the objective to minimize maximum drawdown on the aggregated performance
- Developed in Multicharts and Power Language, over 15 trading strategies for features investment

## PROJECTS

**TheCampaign** with TypeScript, JavaScript, Solidity, React.js, Next.js, ESLint, React-Semantic-UI, Mocha, Truffle, Web3

- Established an Web3 website for crowdsourcing projects with smart contracts on Ethereum
- Developed contracts with **Solidity**, tested with Mocha, and built static website with function components and react hooks

**Space Monster** with TypeScript, React.js, Next.js, Express.js, Node.js, Jest, Mongoose, Docker, K8S in Microservices

- Established in TypeScript and **Node.js**, the free space reservation system for the city with 6 event-based microservice servers
- Developed in TypeScript, React.js, and Node.js frontend website with RESTful API interaction with the backend server
- Containerized in **Docker, Kubernetes, Skaffold**, and deployed with Heroku

**Grim Magneto** with Unity, C#

- Developed in C# and Unity, a virtual reality first-person shooting game with level design, sounds & vibration haptic feedback, automatic enemy droids, and system manual and tutorials on Meta Oculus Quest 2