Albert (Hsin-Kai) Lin

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Education

National Taiwan University Taipei, Taiwan
*B.S./B.B.A., Double major in **Computer Science** and **Finance*** *Expected Jul. 2023*

- **Overall GPA:** 4.15/4.3 | **Overall Ranking:** 9/137 (2020)
- **Student Entrepreneurship:** NTU Creativity and Entrepreneurship Program

Experience

Co-founder of iRIS protocol *July 2021 - Mar. 2022*
CEO and Team-Lead

- Designed core business model, business strategy, and tokenomics
- Developed website, database, and smart contract
- Researched and analyzed various DeFi protocols and NFT projects

Student Research Assistant *Aug. 2021 – present*
Computational Learning Lab

- Auditor: Prof. Hsuan-Tien Lin
- Research on Time Series Machine Learning Problem on Financial Data

Student Research Assistant *Feb. 2022 – present*
ABC Lab

- Auditor: Prof. Shih-Wei Liao
- Research on Blockchain and Decentralized Finance

Leadership & Award

Global Initiatives Symposium in Taiwan *Sept. 2019 – present*
Director/Officer of Academic and Curation in GIS Taiwan 2022/2019

- Arranged largest student-organized English symposium in Taiwan
- Scheduled and supervised the academic research of whole department

Student Association of Computer Science Department *Sept. 2019 – present*
Director of Public Relationship

- Leaded PR team raise money 7 times higher than previous year at NTD 100k
- Established money raising standard operating procedure

Side Projects

Hacks in Taiwan Conference Blockchain Wargame | *Solidity, react.js, web3.js, SQL* *2022*

- Research on Blockchain and Solidity vulnerability
- Design wargame contract and the high level wargame system

Web3 Website and Smart Contract [Link] | *Solidity, react.js, web3.js, Google Cloud Platform* *2021*

- Built Iris fintech NFT-fi project's smart contract
- Develop Iris fintech project frontend website and backend API

Quantitative Evaluation Framework Back-testing System [Link] | *Python* *2021*

- Built Back-testing System for strategy/factor testing with Python
- Enabled flexible choice of stock universe and market choice

Option Pricing Program [Link1, Link2, Link3, Link4] | *Python* *2020*

- Built Lattice method and least-square Monte Carlo option pricing program
- Availed Black Scholes and Greek Letter for option analysis
- Research on Least-Square Monte Carlo and written into a paper

Technical Skills

Programming Languages: C/C++, Python, Solidity, Web-Dev, MongoDB, Shell Script
Tool & Skill: Git, Docker, Word, PowerPoint, Excel, Leadership, Critical Thinking & Problem Solving