ALBERT (HSIN-KAI) LIN

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Education

National Taiwan University, Taipei, Taiwan (Undergraduate)

• Major in **Computer Science**	*Sep 2019 - Present*
• Double Major in **Finance**	*Sep 2021 - Present*
• Minor in **Mathematics**	*Sep 2020 - Present*
• Participate in **Creativity and Entrepreneurship** Program.	*Sep 2019 - Present*
• Computational Learning Lab (Prof. Hsuan-Tien Lin)	*Jul 2021 - Present*
• Theory of Computation & Computational Finance Lab (Prof. Yuh-Dauh Lyuu)	*Sep 2020 - Jun 2021*

Club Activity

Global Initiatives Symposium in Taiwan

Officer of Academic and Curation in GIS Taiwan 2020　　　　　　　　　　　　*Sep 2019 - Jun 2021*
- Arranged an academic topic discussing Data Ethics in the era of Big Data.
- Invited David Carroll, stared the documentary – "The Great Hack" on Netflix and also invited Ann Kao, the Legislative Yuan legislator of the Taiwan People's Party.

Director of Academic and Curation in GIS Taiwan 2021　　　　　　　　　　　　*Jun 2021 - Present*
- First start to cooperate with schools, firms, NGOs, and public sectors to do trial implementation on the delegates project proposal.
- Voluntarily help to develop and improve GIS registration system with scheduling algorithm and backend.

Student Association of Computer Science Department

Officer of Event Planning and public relationship　　　　　　　　　　　　*Sep 2020 - Jun 2021*
- Arranged several of the largest events of the Computer Science Department.
- Raised over NTD 70,000 on two events which only raised below NTD 10,000 before.

Director of Public Relationship　　　　　　　　　　　　*Jun 2021 - Present*
- Establish a systematic and standard operating procedure for money and product raising.
- Teach other officers basic letter etiquette and negotiation skill.

Projects

NTU Food Map Website (Course Project)
- Develop backend with MongoDB + Express JS + Socket.io.
- Help with part of frontend React JS development.
- Deploy the website on Heroku and on department's Linux machine.

Option Pricing Program (Course + Side Project)
- Implement different pricing models such as Monte Carlo, Black Scholes, Least Square Monte Carlo, Binomial Tree Hull White, or so to price various of exotic options.

Quant Back-testing System (Side Project)
- Design an equity quant back testing system with detailed design docs and clear GitHub flows.
- Automatically strategy testing and data processing.

Technical Skill

Language: English (TOEFL 100, TOEIC 915), Mandarin (Native Tongue)

Programming Language: C/C++, Python, JavaScript, HTML/CSS, Shell Script