

LI, KIN FUNG (CALVIN)

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LinkedIn: Calvin Li (<https://www.linkedin.com/in/calvin-kin-fung-li/>)

Calvin is a fast learner who adapts to new environment and picks up new skills quickly. Dedicated to both engineering and business, his robust and diverse academic background empowers him to generate new, impactful ideas and execute them.

WORK EXPERIENCE

Flurry Finance

Jun 2021 - Present

Blockchain Developer

- Developed **Flurry Protocol**, a **cross-chain DeFi yield aggregator**, featuring rebasing stablecoin *rhoToken* and governance token *FLURRY*
- Programed smart contracts and scripts for yield farming, reward schemes, tokens, buy-sell mechanisms
- Integrated with popular DeFi projects (Compound, Aave, Uniswap, Chainlink, etc.)

UBS Group AG, Zurich HQ

Dec 2020 - Jan 2021

Student Analyst (Team Captain, AI Developer)

- Prototyped a ML-based **fintech startup prediction tool** with 70% accurate funding patterns
- Data pipelining of *Crunchbase* dataset
- Models and methods: hypothesis testing, K-means, PCA, decision tree, regression

EDUCATION

The Hong Kong University of Science and Technology (HKUST)

Sep 2019 - May 2024

Dual Degree Program: BEng(COMP & ELEC) & BBA(GBM)

- Minor in Mathematics, and Robotics
- CGA: 4.06/4.3

Eidgenössische Technische Hochschule (ETH) Zürich

Feb 2022 - Aug 2022

- Computer Science exchange program
- Courses: Functional Programming, Software Engineering, Database, Networking

PLK Centenary Li Shiu Chung Memorial College

Sep 2013 - Jul 2019

- HKDSE: 5** in Chinese, Math, M2, Physics, Chemistry and Economics, 5* in English

HIGHLIGHTED TECHNICAL SKILLS

Programming Languages

Java, C/C++, Solidity, Python, JS, TS, MATLAB

BlockChain / DeFi

OpenZeppelin, Hardhat, Ethers.js, Remix

ML / Data Science

pandas, numpy, scipy, matplotlib, seaborn, sklearn, etc.

(full portfolio at GitHub: <https://github.com/StardustLID/StardustLID>)

ACADEMIC EXPERTISE

Computer Science

OOP, Algorithms, ML

Electronic Engineering

Signal Processing, Control Theory, Circuits, Embedded System

Finance

Mean-Variance Portfolio, Models (CAPM, Single Index, APT), Arbitrage, Valuation (fixed-income, stocks, vanilla derivatives)

Math

Linear Algebra, ODE, Probability

(course list available in transcript)

EXTRA-CURRICULAR EXPERIENCE

Robocon Subteam, HKUST Robotics Team

Dec 2019 - Jun 2021

Team Leader, Senior Hardware Engineer ← Junior Hardware Engineer

- **2nd Place** and **Best Presentation Award** in ABU Robocon Festival 2020
- **Champion** and **Best Engineering Award** in Robocon HK 2021 and 2020
- Managed robot R&D progress for 30+ mechanical, hardware and software engineers
- Game planning for robotic archery (2021) and rugby (2020)
- Circuit design, routing, electronic R&D (laser ADC, regulators and converters, etc.)

PROJECTS

Digital Audio Player (DAP)

Fall 2021

Embedded system project for ELEC3300

- Circuit design in Altium, programmed in C with STM32 toolchain
- Features: MP3 and WAV support, audio codec and equalizer, FATFS file I/O
- Basic UI and LED, button, encoder interfacing

Operation H

Fall 2020

OOP Programming project for COMP2012H

- Top-down shooter game inspired by *Twilight Wars*
- Programmed in C++ with Qt as GUI framework
- Features: A* path search, bullet trajectory and collision, map height system, camera