SHI YOU

+86 (130) 3662-9770 ◇ gzyousikai@gmail.com ◇ https://github.com/MaboroshiChan

EDUCATION

Bachelor of Science Mathematics, University of California, Los Angeles June, 2019

SKILLS

Technical Skills C++, Java, Haskell, Functional Programming, SQL , Smart Contract, Plutus, Computer Network, basic blockchain knowlegde, fancy type system

Core Courses with grades Algorithm Design,
C++ intermediate programming and data structure(A-), discrete mathematics(A).
Calculus III (A), Differential Equation (A), Mathematical Analysis (A)
Abstract Algebra I(A-), Symbolic Logic I-II (A)

WORK EXPERIENCE

Tutor/teacher @Shenzhen Yangmifeng Technology Co., Ltd. Sep 2022 -
remote

- Help a Chinese interational student studying abroad to complete their homework.
- **Subjects: Calculus, formal logic, discrete math, analysis, complex analysis, number theory, C++, Java, Haskell, python, numerical method, linear algebra, algorithm design.**

Tutor Aug 2021 - Dec 2021
remote

- Help a Chinese interational student who was studying in U.K. with his computer programming project which require Haskell and logic gate concept to complete.

Contracted Haskell/Plutus Software Developer @MLabs Feb 2022 - July 2022
Remote

- Maintaince work for Cardano *Plutus* platform
- Make improvement for error message system for plutus off-chain code.
- Implement smart contract in **Haskell** that collect royalty for MLabs's NFT
- implement demo smart contract in **PureScript**

Software Developer May 2020 - July 2021
HStream group & Hamler group @**HANGZHOU EMQ TECHNOLOGIES CO. LTD.** ***Remote***

- Open source project: *Clickhouse-Haskell*
  - Developed a database client for **Clickhouse** DBMS, written in **Haskell** & **C**;
- Wrote unit & property-based tests using **QuickCheck** for the standard library of the Hamler language(Erlang based Haskell style progamming language developed by EMQ X team).
- develop CLI interface for the Haskell client of HStream using ZHaskell.
- The benchmark showed that the performance is only 50% slower than the official C++ version.