

Alex Hu

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Github : <https://github.com/imalexhu> | Website : <https://imalexhu.com>

Education

The University of Adelaide Bachelor of Science in Computer Science Advanced **GPA : 6.33**

Expected Graduation: May 2023

Work Experience

Incoming Intern @ Akuna Capital **Nov 2022 - Feb 2023**

Full Stack Software Engineer *PAC Digital* **Nov 2021 - Feb 2022**

Built out a NodeJs microservices designed to handle interactions between the main UNIDO app, and the Ripple blockchain. Allowing users to transfer between Ripple accounts.

- Improved transaction speed by 98% through a local cache storing transaction fee
- Created a service to automatically update wallet balances for all Binance wallets.

Software Engineer *Trust Provenance* **Jul 2021 - Oct 2021**

Enables users to store documents as encrypted hashes onto the HaderaBlockchain. These hashed documents can then be used to check if tamper has occurred and locate the tampering points.

- Architecture the design of the application.
- Researched and implemented a Merkle Hash Tree to reduce hash size by 99%
- Worked in a highly agile environment and learnt to use tooling technologies like JIRA and Confluence.

Personal Projects

Tallest Streamer - T3 Stack **2022**

- Internet trend

RSP - T3 Stack **2022**

- Used by more than 200 users across 3 months
- Learnt deployment best practises

Omada - MERN stack **2021**

- Built complex UI systems with React
- Gained experience being a Project manager by assigning JIRA tickets, maintaining the master branch, providing code reviews and designing the application's architecture.

Front Running Bot - NodeJs **2020**

- Developed an appreciation for prototyping applications before coding
- Implemented a Trie to efficiently search for viable tokens to frontrun.

Community Engagement

- Adelaide University Competitive Programming Club (Member/Web Developer) **2021 - Current**
- Adelaide University VolleyBall Club **2018 - Current**
- Cancer Council Youth Ambassador **2016**

Activities

- ICPC (South Pacific) : **2021 (Divisionals), 2022 (Regionals Qualifier)**
- ANZAC **2021 & 2022**
- UniHack 2021 **2021**