

# Shawn J. Lee

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## Education

**University of California, Riverside** - Riverside, CA

B.S. in Computer Science, Graduated June 2017

Data Structures & Algorithms, Multithreaded Programming, Object Oriented Programming, Software Engineering & Development, Team Leadership, Technical Entrepreneurship, Technical Product R&D

## Skills

Proficient in: Javascript/Typescript, C++, React, Cross Platform Web & Mobile Front-end Development, Multithreaded Programming, RESTful API, Software Architecture, HTML/CSS, Git, Documentation

Experienced in: Blockchain Development, MySQL / Database Design, Python, Rust

## Languages

English (native proficiency), Mandarin (professional working proficiency)

## Experience

**Hycon Blockchain, Glosfer Co., Ltd.**

Blockchain / Software Research Engineer

March 2018 – Present

- Led design, development, and release of Hycon Pocket, a cross-platform mobile app built with React, Cordova, Webpack, and Material-UI components.
- Worked on the Hycon blockchain and designed multiple projects and applications to expand its usability.
- Created documentation and web pages to help with the maintainability of the Hycon blockchain.

The following are projects that I designed and developed:

- Hycon Pocket (Android\* and iOS\* application)
- Bounty (Code) program
- Documentation for Hycon core repository
- HyconHacks event design, documentation, & planning
- Hycon Core RESTful API v3
- docs.hycon.io (API documentation website)
- hycon.io (redesigned homepage)
- wallet.hycon.io (now unsupported)

The following are projects I collaborated on:

- Crypto-exchange related RESTful APIs
- Hycon Core RESTful API v3
- Chrome Extension Lite Client\*\*

## UC Riverside Parallel Programming Research

Undergraduate Research Student

April 2016 – July 2017

- Studied Object-Oriented / RAII C++14, debugging tools like GDB and valgrind, and STL thread-support lib
- Implemented and analyzed an efficient Sudoku-solving algorithm via thread management and data sharing methods, with observable speedups of 2.42x and 45.04x

## Projects

**MineHycon.com** – Co-Founder

Technologies: MySQL, Typescript, React

August 2018 – Present

- Developed a mining pool for the Hycon blockchain that is scalable and DDoS resistant, deployed on AWS
- Created dashboard UI to allow the public to view the pool's statistics and miners to view their statistics

## Modular Laptop Research & Design

Inventor

May 2015 – Nov 2017

- Invented a set of proprietary laptop designs and led a team of four in research and development
- Formalized and filed a provisional utility patent at USPTO (Patent Office)
- Established connections with business consultants and manufacturers at CES2017 and Startups for Innovators at UCR

\* Android: 323 users, iOS: 49 users as of 03/04/19

\*\* 2798 users as of 03/04/19