

# Andy Chen

*Rich experience in full-stack software engineering with full product life-cycle and open source contribution. I care about user experience as much as internal/external developer experience, with multiple experiences in working with a cross-functional team.*

## EXPERIENCE

**Minted LLC**, San Francisco — *Senior Software Engineer* March 2019 - PRESENT

- Work at software architecture team to improve internal tooling and speed up automation pipelines by 5 times.
- Author internal protobuf development process from building, compiling, testing to deploying, distribution and migration, mainly in leverage GNU make, shell scripts and dockers.
- Maintain and build kafka python client library, beam/flink pipeline.

**Blockchain Node Service Inc.**, San Francisco — *Founder and Project Lead Developer* July 2018 - PRESENT

- Leverage Docker, AWS CloudFormation to speed up the full-node initial process, successfully decrease the usual full-node hosting DevOps from 3 weeks to 15 seconds.
- Distribute stable service globally with CloudFront and Route53, successfully cut server usage by 60% and decreased responding time by 50%.
- Develop a serverless, stateless architecture to deliver the first-of-its-kind full-node monitoring service and won the top 3 as “the most fundable project” on Draper Demo day in Fall 2018.

**Bodhi Project**, San Mateo — *Senior Software Engineer* May 2018 - Oct. 2018

- Refactored the whole React UI library from redux to mobX architecture in 4 weeks and successfully initiated the migration from electron-based to browser-based DApp which ultimately led to an increase in usage by 2 times.
- Developed and audited production-ready complex solidity smart contracts on QTUM blockchain.
- Introduced style-checking linter and coordinated with teammates to improve the collaboration cycle and speed up the development process.
- Built the prototype of qinfura, a full node service for QTUM ecosystem.

**Ventured International Inc.**, San Mateo — *Lead Engineer turned Chief Product Officer* July 2017 - April 2018 (company resolved)

- Co-authored whitepaper, designed and developed the end-to-end DApp from zero-to-one in less than a month. Implemented TDD with Jest to engineer production-ready smart contracts in Solidity and deployed to

amazingandyyy@gmail.com  
github.com/amazingandyyy  
https://amazingandyyy.com  
linkedin.com/in/amazingandyyy

## TECHNICAL SKILLS

Backend: **RESTful/GraphQL**  
**Beam/Flink, grpc/protobuf**  
express.js, MongoDB/SQL,  
Next.js, SSR, SEO, JWT

DevOps: NPM/nexus,  
**Docker/K8S, TravisCI/Jenkins,**  
**CircleCI, Truffle, AWS CSAA,**  
GNU make, unix shell

Languages: Javascript, **Nodejs,**  
**Golang**, Python, **Solidity, bash**

Front-End: html/css/sass,  
Javascript, **React/Redux,**  
**MobX, Gulp, Webpack, RWD**

## OPEN SOURCE CONTRIBUTIONS

**use-form-react**, a react form hook made building form use in any react app.

**mern**, open source mern stack boilerplate repo and with over 1K downloads and clones.

**nodejs/node**, submitted PR#10092[merged] and #10093[merged] to update and improve testing environment

**dawsbot/mailto**, submitted PR#3[closed], PR#4[merged] to resolve multiple issues and optimize key features

Ethereum Live Network with Truffle framework.

- Developed an ERC-20 compatible VentureCoin(VCN) token and successfully launched a 3-month crowd-sale in November 2017.

**Yeah Education Group**, Berkeley — *Lead Engineer* Dec. 2015 - April 2017

- Led a cross-timezone development team to migrate the full-stack app from angular 1.6 to React 15 in 3 months and migrate RESTful API to GraphQL hybrid API. Successfully scaled the business 20 times to 2M annual revenue in 2016 and led the company to join Berkeley-owned Skydeck incubator and push the company to become UC Berkeley's only official admission partner.

**Andysign Studio**, Mountain View — *Freelance Web Developer* Oct 2014 - Sept. 2016

- Coordinated with 8 clients to develop websites including Groove Trend and Swallet, and Taiwanese Volunteer Group with about 1K daily visitors.
- Implemented A/B testing for UI elements, heatmap analysis on user behaviors and website SEO leading to a 100% increase in traffic and earned a full satisfaction rate from clients.

## EDUCATION

**University of California, Berkeley**, Berkeley — *Bachelor's of Science, Cognitive Science* June 2016 - July 2018

The first and only student completing all 3 blockchain courses (Blockchain for Developers, Blockchain Lab, Blockchain Fundamental). Certificate in Entrepreneurship & Technology from SCET and served as Tech Chair in Senior Class Council 18. Completed courses included Data Vis., Computer HCI, Cognitive Science, Linguistics, Data Structure, Discrete Math and Machine Learning.

**Draper University**, San Mateo — *Certificated Startup Hero* Sept 2018 - Oct 2018

Grown venode project into BNS and graduated as top 3 of "the most fundable project" voted by hundreds of VCs on Demo Day. Completed full Hero Training Program and was nominated as "the most positive student" by Tim Draper.

## PROJECTS

**Leptin** — *A PoW cryptocurrency implement in Nodejs*

Designed and built a whole cryptocurrency in Nodejs with leveraging the power of WebRTC, LevelDB, hyperlogs to build a peer-to-peer blockchain implementing Proof-of-work, secp256k1 and dynamical difficulty.

**Etherbrite** — *An Eventbrite-like DApp.*

Built a DApp in Solidity, TruffleJS, Web3js and React/Redux. From deploying events on smart contract to register and check-in.

## HACKATHONS/AWARDS

H4YT Blockchain Hackathon 2018 - **No.1 nomination by Cosmos** for building Celadon, a lotionjs middleware donating money to help our environment.

LAUNCH Hackathon 2016 - **1st place of Uber Challenge** for building Teleport, an advertisement site that connects customers and business.

AT&T IoT Hackathon - **Best Mobile App and IoT Solution Overall**[2015] for building Connect, a radio player controlled with Myo gesture controller.

## MENTORSHIP/BLOG

**Distributed Tech Salon**

authored a technical blog sharing a series of tutorials on web dev, smart contract, DevOps and Arc. design topics.

**DIDX/Vechain Community Group on Github**

I founded virtual organization on Github to discuss topics of developer experience and developer tools.

**NodeSchool Oakland and San Francisco Chapter** Served as regular monthly mentor in Nodesschool Oakland

**Reactathon, 2017** Served as a mentor at the hackathon held by the Real World React organization

