

Tryston Perry

Front-End Developer | <https://tryston.net>

Located in San Diego, CA
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Professional Experience

Viper Charts | Founder | <http://intro.vipercharts.com>

AUGUST 2021 - PRESENT

Viper Charts is an open-source platform / framework for charting and comparing crypto-currency asset prices across exchanges and markets. It's built entirely from scratch as a solo project intent on unifying all data in crypto. The platform is currently in a closed beta state.

- Wrote functions to convert time and price values to pixel locations based on screen dimensions and visible range.

- Built a custom rendering engine to re-calculate pixel instructions whenever the plotted data state changes.

- Implemented a custom WebWorker message broker to offload CPU intensive operations like chart updates to alternative CPU cores. Thus, massively improving the responsivity of the UI and preventing the hanging of the main thread.

- Integrated mission critical data aggregation servers written in Golang and run in Docker containers for collecting live crypto-currency price action statistics.

- Implemented a custom data granularity algorithm and g-zip compression for historical market data and all client-server requests to reduce bandwidth usage from ~33MB to ~5.5MB on large requests. As it scales, it's projected to save us \$100's of dollars.

Leap | Co-Founder & CTO

FEBRUARY 2021 - JUNE 2021

Leap (aka joinleap.co) was a live video podcast recording app focused on bringing together podcasters and their audience with real-time experiences.

- Managed and assigned tasks to our Junior Front-End dev to distribute the workload.

- Built realtime video/audio stream pipeline using WebRTC relay servers and ffmpeg recording over RTP.

- Designed and implemented our 1-Many and Many-Many MySQL Database architecture.

The Bitcoin Wormhole App | Contract | <https://bit.ly/3OrfJWt>

AUGUST 2020 - JUNE 2021

A flutter app focused on providing a fun and interactive way to learn about Bitcoin and its ecosystem.

Nanome Inc. | Front-End Developer | <https://nanome.ai>

MARCH 2019 - MARCH 2020

- Went through design iterations with Senior executives using Figma.

- Implemented designs in SCSS using BEM, mobile-first and progressive enhancement principles.

- Wrote a custom image & gif compression build process into their production pipeline to reduce asset file sizes and convert to their appropriate resolutions.

Front-End Skills

HTML, CSS, SCSS / SASS,
JavaScript, React.js, Vue.js,
Bootstrap 4, TailwindCSS

Back-End Skills

Node.js, Express.js,
WebSockets, MongoDB,
MySQL, QuestDB

DevOps Skills

Digital Ocean, PM2, Docker,
Git, Bash & SSH

Design Skills

Adobe Photoshop, Figma

Other Skills

Agile Development, Unit
Testing, Pair Programming