

Tommy Nienchi Chen

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, C, Python, Javascript, Node, Express, Flask, SQLAlchemy, Sequelize, Postgres, HTML, CSS, SQL, Docker, Git

PROJECTS

OPBets (ReactJS, Redux, Flask, SQLAlchemy, Postgres, Docker)

[live](#) | [github](#)

Esports wagering exchange with a focus on social features and minimal escrow fees

- Leveraged relational database's inherent structure to implement liquidity provider tracking, live market order floats, front-end CSURF odds legitimacy, and matched wagers user interactions
- Utilized Material-UI's container system for dark and light mode toggle in 100+ constantly updated prediction pairs, wagering matching system/notification, open orders management table, and matched opponents history/messaging

SkyBnB (ReactJS, Redux, Flask, SQLAlchemy, Postgres, Docker)

[live](#) | [github](#)

A pixel perfect clone of airbnb with a theme twist group project

- Implemented location based search and results list display by normalizing data in the Redux store for unidirectional data flow with React, predictable state and reliable DOM rendering
- Used AWS S3 for authenticated users profile and hosted spots image assets uploads reducing server load and allowing for scalability of image service

TheBlockchainLord (ReactJS, Redux, Express, Sequelize, Postgres)

[live](#) | [github](#)

Cryptocurrency portfolio tracker with a web3 metamask demo

- Leveraged React and normalized Redux store to provide reliable, predictable and accurate DOM rendering of asset prices, time stamped purchase history, watchlist, and portfolio composition
- Utilized Express and Node's robust asynchronous nature to facilitate external API calls between the database, backend API routes, and frontend

GoodTrees (Express, PugJS, Postgres)

[live](#) | [github](#)

An app to track the tree climbing group project

- Ensured user privacy and security by utilizing BCrypt Hashing Function on the backend and Auth Routes on the frontend to prevent storage of plain text passwords and restrict access to user specific site features
- Incorporated MVC architecture with polymorphic model associations to reduce the number of tables required in the database allowing efficient query and validations using ORM in the Node backend

Fillit (C programming, Makefile)

[live](#) | [github](#)

A recursive backtracking tetromino fitting terminal paired project

- Utilizes a self created function and memory allocation C library, libft, to find the best configuration possible to fit a variable amount of 8 unique Tetris shapes into the smallest grid possible

EXPERIENCE

Diablo3Charts.com Co-Founder

Diablo3Charts

Jan 2014 - Jan 2016

- Found and funded MVP build of datascrapper and website to display digital item trends of the popular blizzard game

Pattern Trader

FibTrade LLC

Jan 2015 - Jan 2017

- 200M+ USD Volume US Equities Pattern Trading with Lightspeed and Interactive Brokers with 0.05% edge

Professional Poker

Self Employed

Jan 2008 - Jan 2020

- 2M+ Online Poker Hands Played with earnings net ~\$1,500,000 top of the ladder win rate of 5bb/100
- 1M+ Live Poker Tournament Winnings with top tier 40%+ ROI
- Top 5 Poker stream on Twitch.tv 2014-2016 / Pokerzion.com Game Theory Videos

EDUCATION

Full Stack Web App Development - App Academy | 2020-2021

UNIX Terminal Systems IT - 42 Coding USA | 2017-2019

Electrical Computer Science Engineering - University of California Berkeley | 2005 - 2008