Chris Shen

EXPERIENCE

Akuna Capital   **Chicago, IL**
Trader – Cryptocurrency Options   August 2020 – July 2023
- Team lead in Chicago. Responsible for managing risk of a global 24/7 cryptocurrency volatility market-making desk. Developed processes for systematic improvement of trading systems in order to capitalize on the emerging cryptocurrency market. Mentored and onboarded 3 other traders to the team.
- Designed, implemented, and deployed to production a delta pooling and basket swap strategy to minimize slippage when hedging deltas in an illiquid and segmented environment- saving the desk millions over the course of each year.
- Lead for liquidation identification and trading strategy. Collaborated with quantitative researchers and developers to implement processes for handling cascading liquidations.
- Developed deep understanding of esoteric risks associated with trading cryptocurrencies. Traded through bull run of 2021, Luna-UST collapse, and FTX collapse.

Yada   **New York, NY**
Full Stack Engineer   September 2018 – August 2019
- Founding engineer of venture backed social advice-sharing app for Gen Z.
- Built and scaled React Native app, NextJS web app, Typescript + Postgres backend to 20,000+ creators and 750k pieces of multimedia content.

Volant Trading   **New York, NY**
Quantitative Trader Intern   June 2018 – August 2018
- Built Python script to select American early exercise option, the only intern project to generate a profit.
- Parsed daily trading data and built regression models to price equity options during opening market cycle.

EDUCATION

Columbia University   **New York, NY**
Bachelor of Science in Biomedical Engineering   September 2015 – May 2020
Cumulative GPA: 3.93/4.0
Honors: C. Prescott Davis Scholar| Dean's List | Recipient of CUSP Summer Enhancement Fellowship

INDEPENDENT PROJECTS

Poker Trainer
- Developed a webapp using NodeJS, Typescript, and React that allows users to train against a near theory optimal poker bot. Webapp service consumes JSON files and displays data in a user-friendly interface.

Spatiotemporal Modeling of Diseased Cardiomyocytes
- Created a robust computational model that presents *in vitro* characteristics of Timothy Syndrome diseased cardiac cells.
- Collected *in vitro* data from diseased human induced pluripotent stem cell derived cardiomyocytes.

LEADERSHIP EXPERIENCE and EXTRACURRICULAR ACTIVITIES

Laboratory for Stem Cells and Tissue Engineering   **New York, NY**
Research Assistant; Advisor: Dr. Gordana Vunjak-Novakovic   February 2016 – May 2020
- Investigated the maturation of human induced pluripotent stem cell derived cardiomyocytes using optogenetics.
- Attended and presented at annual Biomedical Engineering Society Conference and TERMIS Conference.
- Relevant Skills: qRT-PCR | immunostaining | cell culture/cardiomyocyte differentiation | fabrication of bioreactors

Columbia University Emergency Medical Service   **New York, NY**
Crew Chief; Emergency Medical Technician   August 2016 – May 2018
- Led crew of up to four EMTs in rapidly assessing life threating conditions in patients and took appropriate actions.
- Mentored junior member of corps in patient care skills and provided feedback on their performance.

SKILLS & INTERESTS

Skills: Python | Typescript | Solana | Postgres | React Native | NodeJS | Docker