Calvin Xie

11031 Two Oaks Circle, TX 77065 | 929-733-8893 | calvinjxie@gmail.com | [LinkedIn](#) | [Website](#)

EDUCATION

THE UNIVERSITY OF TEXAS AT DALLAS   **Dallas, TX**
Bachelor of Science in Computer Science   **August 2022 – Present**
- GPA: 3.81/4.00

EXPERIENCE

Hypixel MINECRAFT Server
Quality Assurance Tester   **March 2021 – Present**
- Balance 20+ in-game features and items on the server by modifying object stats and counter functions, improving the quality of life of 150,000 concurrent players per day
- Uncover and investigate more than 100 bugs on both the main and alpha testing server, collaborating with server administrators to resolve them

YOUTUBE
Minecraft Content Creator (BananaTheBot)   **April 2021 - Present**
- Develop Minecraft money making tutorials on the Hypixel server, amassing over 1.4 million lifetime impressions, 190,000+ total views, and 1,800+ subscribers
- Live-stream Minecraft content on a daily basis generating over 30,000 total views
- Promote and manage a Discord server for over 300 members to help provide guides, discussion forums, and a trading community for rare in-game items

SELECTED PROJECTS

Minecraft Module   **May 2023 - Present**
- Develop a Minecraft module in ChatTriggers using Javascript that allows players to track timer cooldowns, parse chat data, and analyze personal account finances with over 100 downloads
- Develop a pythonanywhere API that calculates lowest auction prices of various items on the Hypixel server, allowing players to calculate profit per hour, currency conversions, and expected profits; This API currently processes over 5,000 monthly requests

Backtesting Webapp   **September 2022 - January 2023**
- Engineered a user friendly backtester incorporating an S&P 500 scraping pipeline, an intraday stock movement simulator, and an account portfolio system using Python, Django, PostgreSQL, HTML, and Javascript
- Experimented with various strategies including Moving Average Crossover, Lagged Forecasting, and Intraday OLS Mean Reverting to analyze total returns, Sharpe ratios, maximum drawdowns, and drawdown duration

Stock Trading   **August 2021 - September 2022**
- Researched and invested various biotech penny stocks and performed a random selection process for top picks, generating a net positive return of 120% with a maximum drawdown of 63.6% from November 2021 to June 2022
- Learned how to diversify risk by investing in ETFs and utilizing volatility indicators such as VIX

ADDITIONAL INFORMATION

Achievements: Table Tennis Toyota Cup Group A 2nd place (2018), Table Tennis CAP Group C 4th place (2019)
Languages: English (fluent), Mandarin (fluent), Spanish (basic)
Programming: C++, Java, Python, Assembly, HTML, CSS, Javascript, Boost, Numpy, Pandas, Django, SQL
Technologies: Visual Studio, Git, ChatTriggers, Mars, pgAdmin, Postman, PostgreSQL
Interests: Minecraft, Manga, Table Tennis, TFT, Chess