Oliver Jaros

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EDUCATION

Santa Clara University Santa Clara, CA
B.S. in Computer Science and Mathematics *June 2022*

EXPERIENCE

Web3 Developer Chicago, IL
TacVue Digital Merchandising *September 2021 - Present*

- Building DApp for TacVue Digital Merchandising (startup in the NFT space) to provide gamers with a platform to mint and sell NFTs from their gaming streams on our Polygon marketplace.
- Utilized designs from the UI/UX team to write several React components and pages on Next.js site.
- Used Ethers.js to write functions allowing users to connect their Metamask wallet and interact with smart contracts on the frontend to mint and buy/sell NFTs.
- Worked with Smart Contract Engineer to deploy 3 smart contracts on the Polygon network giving functionality to the marketplace, ERC-20 token, and ERC-721 tokens.
- Wrote function using Pinata SDK to store and pin NFT metadata on IPFS upon mint.

Software Engineering Intern Chicago, IL
CMT Capital Markets Trading *June - September 2021*

- Built a dashboard to display hundreds of our venture fund's investments and raises by creating a PostgreSQL database and writing Django models defined as Company, Fund, Raise, and Investment.
- Used Django REST Framework to serialize models and create URI endpoints to display data in React frontend.
- Built site to display crypto trading desk's positions, transfers, and trades by writing 3 Golang microservices and Django models for each of these.
- Wrote scripts to pull data from 9 crypto exchange API's that the desk trades on and displayed on 3 separate tables in React frontend.

Software Engineering Intern Lenexa, KS
Big Blue Swim School *June - September 2020*

- Rewrote several components to support migration of the company website from Angular to Vue.
- Improved the styling and UI of the company website using Tailwind CSS.
- Participated in daily progress report meetings with the Scrum team and sprint planning meetings every 2 weeks.

PROJECTS

NBA Predictive Model *2020*

- Created a model to predict the final scores of NBA games and simulate against Vegas odds.
- Gathered data on over 14,000 NBA games in the past 10 seasons using API endpoints from stats.nba.com.
- Found independent variable correlations to final scores using Python libraries such as pandas and matplotlib.
- Used sklearn to create a linear regression model predicting final scores with a mean absolute error of 5.8 points.
- Scraped current NBA schedule and team stats using Selenium,, allowing for input of each game into the model and output of projected final scores.

SKILLS

Languages: C, C++, HTML, CSS, Javascript, Python, Golang
Frameworks/Technologies: Git, Vue, React, Django, Selenium, Pandas, NumPy, Scikit-Learn
Interests: Woodworking, Golf, Fly Fishing, Travel, Fitness