**EDUCATION**

**Major(s):** ***BS*** Computer Science (Software Development), ***BA*** Mathematics (Quantitative Analysis) Est. Graduation: June 2025

**DePaul University, College of Computing and Digital Media,** Chicago, IL *Cumulative GPA: 3.71/4.00*

**HONORS**

**Honors/Awards**: DePaul Dean’s List (2021-present), Illinois State Scholar, Summa Cum Laude

**Scholarships**: Chicago Promise Scholarship, Future Forward Scholarship, Generation Success

**Involvement:** Computer Science Society

**TECHNICAL SKILLS**

*Languages:* Java, Python, R, JavaScript, HTML, Lua, Express

*Frameworks:* React (NextJS), Django, Jupiter Labs, Flask, Dash

*Platforms: Expo,* *Vercel, Netlify, AWS*

*Skills:* Data Analysis and Visualization, Problem Solving, Algorithmic Design, Mathematics

**PROFESSIONAL EXPERIENCE**

**Software Engineer Intern** May 2023 - Present

*Ally Financial, Detroit, MI*

* Developed and deployed client-side and internal applications using React, SQL, Dash, and Flask, resulting in streamlined user experiences and improved operational efficiency.
* Implemented efficient data management and analysis solutions, utilizing advanced algorithms to optimize performance and accuracy.
* Collaborated closely with cross-functional teams, including product managers and designers, to deliver high-quality financial services and ensure alignment with business objectives with personalized suggestions and implementations

**Data Science Intern**  July 2021 – August 2021

*Everyone Can Code Chicago, Chicago, IL*

* Acquired proficiency in Python 3.0 and data analysis libraries, demonstrating a strong aptitude for data manipulation and analysis.
* Collaborated effectively in group settings, actively participating in data visualization projects using Jupiter Labs and NumPy, showcasing the impact of effective data presentation.
* Formulated, analyzed, and presented comprehensive data sets related to COVID-19, successfully identifying variations and anomalies, providing valuable insights into the pandemic's impact.

**PROGRAMMING PROJECTS**

**MowTown |** [**www.mowtowns.vercel.com**](http://www.mowtowns.vercel.com/)February 2023 - Present

NextJS, Google Cloud Services, Vercel

* Spearheaded the development of a highly responsive, full-stack web application using NextJS and React Query, implementing optimized server-side rendering for enhanced performance.
* Leveraged Google Cloud Services, including Cloud Firestore and Google Authentication, to ensure efficient data storage and seamless user database management.
* Demonstrated a proactive approach by conducting multiple iterations of the project, experimenting with diverse technologies, methodologies, and software patterns, resulting in refined application architecture and improved user experience.
* Implemented robust debugging and reconfiguration strategies to continuously enhance user experience and optimize application utility.

**Multi-Indicator Crypto Trading Bot** July 2022

Python, Docker

* Developed and deployed a sophisticated multi-indicator crypto trading bot using the Freqtrade framework and CCXT library, seamlessly connecting with an FTX.US live account for real-time data analysis and trade execution.
* Utilized technical analysis libraries and data analysis tools to create customized trade signals, enabling the bot to make informed decisions on entering and exiting trades based on the status of indicators.
* Conducted extensive performance analysis of indicators and strategies, meticulously backtesting over various time periods, and identifying optimal entry and exit points, leading to enhanced trading efficiency and profitability.