Derrick Gan

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Available from May 2024 - August 2024

EDUCATION

Northeastern University, Khoury College of Computer Science **Boston, MA**
Candidate for Bachelor of Science in Data Science and Business May 2025
Concentration in Finance| Minor in Psychology *GPA:* 3.7/4.0
Student Awards/Organizations: Dean's List, TAMID Group, NEU Men's Club Basketball, NEU Poker Club

SKILLS SUMMARY

Languages: Python, Java, JavaScript, SQL, HTML, CSS, DAX, Racket
Technologies: React, Scikit-learn, Power BI, Git, Azure Dev Ops, PostgreSQL, Docker, SSMS, AppSmith, Strawberry GraphQL

PROFESSIONAL EXPERIENCE

Bain Capital **Boston, MA**
Applications Developer *July 2023 – December 2023*

- Contributed development to firmwide investment performance portal that displays financial metrics on investment portfolios, such as ROA, P&L, and exposure on securities invested to automate front office user queries
- Developed two interactive Power BI dashboards and engineered over 20 creative visualizations for ESG team to perform new analysis on fund characteristics such as location, ESG score, and industry value breakdown
- Implemented different reporting views in DW for distinct business units, utilizing GraphQL to extract and provide data to users belonging to specific units

Invictuss **Boston, MA**
Software Developer *January 2023 – April 2023*

- Developed a company service overview website using React framework to enhance client usability and fix previous formatting and layout issues, resulting in a 28% increase of service purchase activity
- Incorporated feedback derived from Figma wireframes and mockups, refining and translating cybersecurity-themed designs into a cohesive and polished product
- Collaborated effectively within a dynamic SCRUM environment, actively engaging with two other developers and the PM

VComm **Boston, MA**
Technology Consultant *September 2022 – December 2022*

- Analyzed company scooter movement by monitoring GPS coordinate data frames to enhance tracking capabilities
- Leveraged PostgreSQL to create dynamic heatmaps that visualized scooter activity patterns, aiding in the identification of traffic violations by using coordinates within the database where violations occurred
- Pre-processed raw scooter data into a usable format, ensuring data integrity and accurate insights for decision-making

COMPUTER PROJECTS & EXPERIENCE

KeyBase *(Python, SQL)*
A personal project that allowed user to update and insert information in a database *October 2022 – December 2022*

- Designed and implemented a relational database that held mock private personal information for customers in mySQL
- Deployed a functional app in AppSmith while running Docker containers to create an interactive site containing varying levels of access permissions for different users, enhancing user experience
- Implemented Restful APIs in Python and SQL to query data, allowing users to search and update their personal info

NBA Athlete Performance Data Science Study *(Python)*
Study that involved data analysis of professional basketball players *December 2022*

- Performed advanced statistical analysis using linear regression and decision tree algorithms to determine whether age had an impact on performance of NBA athletes. This resulted in a four-page technical write up in which results were inconclusive due to external factors
- Conducted web scraping in Python from NBA website to extract relevant data, implemented data processing pipelines to handle large datasets, and performed thorough data cleansing and validation to ensure accuracy and consistency for analysis

LEADERSHIP EXPERIENCE & ACTIVITIES

TAMID – Investment and Consulting Group **Boston, MA**
Recruitment Committee *December 2022 – December 2023*

- Planned and executed 10+ recruitment events with Recruitment Committee, resulting in 302 potential member applications
- Evaluated and interviewed over 50 candidates, contributing insights regarding candidates within selection discourse

INTERESTS

Weightlifting, Basketball, Chess, Reading, Food, Anime, Music, Investing, Travel, Poker, Skiing