Mazen Zarrouk

mazen.zarrouk2@gmail.com | (347) 283-7701 | Brooklyn, NY 11235

https://mazen-nu.vercel.app | https://www.linkedin.com/in/mazen2 | https://github.com/Mazen-Z

EDUCATION

City College of New York, Grove School of Engineering   **12/2025**

Bachelor of Science in Computer Science

- **Relevant Courses**: Algorithms, Data Structures, Operating Systems, Software Engineering, Software Design in Java, Theoretical Computer Science, Databases, Object Oriented Programming in C++, Image Processing, Computer Graphics, Probabilities, Statistics, Discrete Math, Linear Algebra, Calculus 1-3.

SKILLS

- **Languages**: C++, Java, JavaScript, HTML, CSS, SQL, Python, Git, DAX, M
- **Technologies**: Visual Studios, MySQL, Salesforce Ecommerce Cloud, Google Big Query, Microsoft Power BI, Google Analytics, IntelliJ, AWS, Google Cloud, Next.js, React.js, GitHub, Microsoft 365.

EXPERIENCE

LVMH, New York,

Data Project Manager Intern, LVMH Beauty Tech Division   **05/2024 - 08/2024**

*Ticket Reporting Analytics Dashboard for **Benefit Cosmetics***

- **Business impacts**: halved ticket resolution times, decreased manual report generation by **90%** (1 month billable hours saved annually), stimulated revenue growth for US Benefit stores and established a unified platform for **real time incident analysis**.
- Plans to **scale** this application for other brands within the **LVMH portfolio**, like Parfums Christian Dior, Givenchy, Kendo, Acqua di Parma; and **scaling** for LVMH internal support.
- Architected an **ETL process** to standardize raw data, ensuring accuracy across many data sources.
- Crafted compelling visuals in Power BI while delivering real time analytical capabilities through interactive features.
- Employed a **project management** methodology by setting milestones, timelines, action task due dates, and facilitating weekly meetings with teams at Benefit and LVMH.
- Deployed the application into production for all LVMH Beauty Tech employees and Leadership within Benefit Cosmetics.

The Difference, Scarsdale, NY

Backend Software Engineering Intern   **06/2023 - 08/2023**

- Optimized the backend infrastructure of a health startup by designing and implementing a schema in MySQL, reducing data duplication by **18%** and improving **efficiency**.
- Managed data integrity through schema changes, migration scripts, and validation protocols. Increased data query performance by **22%** by building a daily aggregated results table.
- Migrated legacy data from key tables with zero data loss, utilizing optimized INSERT/UPDATE queries. Further optimized food table performance by **22%** and reduced storage by **10%** through column optimization.

PROJECTS

WebWealth – Financial Forum Platform   **04/2024 - 05/2024**

- Designed and developed a full stack online forum using **React** and **Supabase**, focusing on stocks, real estate, and cryptocurrencies.
- Implemented key features, including **live data feeds**, interactive **commenting systems**, and **secure user authentication**, enhancing platform functionality and security.

Yapper – Social Media Web Application   **10/2023 - 12/2023**

- Led a 5-developer **agile full stack** team to deliver a functional **minimum viable product** matching key Twitter features within a 2-month timeframe.
- Engineered **core functionalities** enabling users to post messages, follow other users, like and comment on posts facilitating community engagement.
- Constructed reusable **React components** like user profiles and post cards enhancing developer productivity.
- Designed Supabase **database schema** to store user data, posts, followers, and interactions. Implemented **authentication** for users to securely sign up and login to the application.