

Omer Mosker

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NYU biology graduate with a mathematics and computer science minor, Mount Sinai research experience, and hands-on software project work. Brings systematic troubleshooting, data validation, technical documentation, and customer-facing operations experience; translates ambiguous problems into testable questions and clear next steps.

TECHNICAL PROJECTS

Campaign Tracker

2026 - Present

Collaborative music-campaign analytics project | In development

- Collaborating on the development of a music-campaign analytics product, incorporating beta-testing feedback from a major record label; translating team discussions into scoped features and review criteria.
- Reviewed campaign-analysis logic and regression results covering daily versus cumulative metrics, gaps in observation dates, and missing data incorrectly interpreted as stable performance.
- Helped investigate a refresh-status issue where the interface reported failure before scheduled processing began; examined the timing mismatch and reviewed local behavior with coding-agent assistance.
- Documented testing results, remaining limitations, and integration steps for collaborators; used coding agents to iterate on interfaces and review changes against expected behavior.

EXPERIENCE

Independent Technology Projects and Business Support

May 2026 - Present

Small-business projects | New York, NY

- Translated service and booking needs for Jolie Femme OCNY into a responsive website with structured navigation, SMS booking links, and aggregate tracking; created editable pricing and sales-reporting tools.
- Mapped a real-estate business's CRM, website, and campaign-reporting workflows; identified lead-routing and measurement gaps and translated findings into local dashboards, prototypes, and recommendations.

Research Associate

Feb 2024 - May 2026

Icahn School of Medicine at Mount Sinai, Pinto Lab | New York, NY

- Led experimental validation of an unannotated gene with more than 25 predicted isoforms; identified intron-retention events absent from computational predictions and collaborated on refining transcript models.
- Designed and optimized primers, troubleshooted failed or nonspecific amplification, and compared RT-PCR and Sanger sequencing results with predicted transcripts to guide further validation.

Algebra I Instructor

Nov 2024 - Jun 2025

New York University, Science and Technology Entry Program

- Increased test scores by 30% across both Algebra I classes; taught groups of 10-15 students, adapting explanations and individual coaching to different learning needs.

Event Manager

May 2023 - Aug 2024

Arrow Park | Monroe, NY

- Coordinated teams of 10-15, vendors, and clients across 70+ events; resolved operational issues in real time and improved setup procedures through clearer delegation and repeatable workflows.

EDUCATION

New York University, College of Arts and Science

2026

B.A. in Biology; Joint Minor in Mathematics and Computer Science

Relevant coursework: Data Structures, Biostatistics, Genetics

SKILLS

Technical tools: Python, R, Git, Unix/Linux command line; coding assistants: Codex, Claude, Gemini, Hermes

Investigation and delivery: Troubleshooting, data validation, regression-test review, workflow mapping, requirements gathering, technical handoffs, stakeholder communication

Training: CITI Human Subjects Research, HIPAA, Responsible Conduct of Research