

Bryan Mejia

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EDUCATION

CUNY Queens College

Bachelor of Arts in Computer Science

May 2026

Queens, NY

Relevant Coursework - Data Structures and Algorithms, Machine Learning, Applied Data Science, Software Engineering, OOP in Java and C++

TECHNICAL SKILLS

AI & Agentic Systems: Agentic Workflows, Agent Harness Integration, Lifecycle-Hook Context Injection, Context & Memory Management, Tool/Function Calling, Model Context Protocol (MCP), RAG, Evaluation Frameworks, Prompt Engineering, LLM APIs (Anthropic Claude, Google Gemini, OpenAI Codex), Claude Agent SDK

Languages & Frameworks: Python (Pandas, NumPy, FastAPI), TypeScript, JavaScript (Node.js, Express.js, React.js), Java (Spring Boot), C++

Cloud & Infrastructure: Microsoft Azure (AKS, Cosmos DB, Blob Storage, Event Hubs, Container Apps), Kubernetes, Helm, Docker, OpenTelemetry, Google Cloud Platform, Cloudflare, PostgreSQL, Firebase, CI/CD Pipelines, Git/GitHub, Oracle Cloud Infrastructure, Datadog

PROFESSIONAL EXPERIENCE

American Arbitration Association

New York, NY

Cloud FinOps Engineer

July 2026 - Present

- Own cost governance across five cloud and AI vendors (Oracle Cloud, Azure, OpenAI, ChatGPT, Datadog) representing **~\$170K in monthly spend**, engineering a system to cut AI token consumption and maximize prepaid credit utilization.
- Designing an agentic optimization system across 13 OpenAI projects and a ChatGPT workspace consuming **8B monthly tokens**, routing to lower-cost models where quality permits and pacing usage against prepaid commitments to avoid both credit forfeiture and overage.
- Built the cost data foundation on the **FOCUS open billing specification**, cataloging 40+ billing scopes across OCI compartments, Azure subscriptions, and OpenAI projects with ownership, cost model, and commitment terms.

Augenta AI

New York, NY

Forward Deployed Engineer

January 2026 - July 2026

- Lead infrastructure engineer for an Azure cloud-native **contextual memory** platform deployed in production for **two enterprise customers**.
- Developed a plugin for **multiple agent harnesses** that captured agent trajectories and user-agent interactions across all coding sessions, streaming telemetry through an OpenTelemetry to Event Hubs **producer/consumer** buffer into a downstream **memory engine**.
- Engineered lifecycle-hook context injection that reused shared context across users, agents, and sessions, **cutting token usage by 24%** and improving agent recall **by 33%**.

MQ Steel Corp

New York, NY

Operations Assistant

June 2022 - April 2026

- **Optimized** cross-functional project workflows across **25+ active** client accounts, reducing average turnaround time by **15%** through process standardization and task coordination.
- **Maintained** client database for **25+ accounts** with **100% accuracy** in financial record-keeping, processing **\$500K+** in annual transactions.

PROJECTS

Security Sentinel | AI-Driven Code Auditor | TypeScript, Anthropic Claude API, Multi-Agent RAG, Docker

Full Stack Developer

January 2026

- Orchestrated a multi-agent system for static analysis of large-scale Python repositories, using tool calling and structured LLM outputs to identify logic vulnerabilities and code smells with **85%+ detection accuracy**.
- Implemented Agentic RAG to inject project-specific context into LLM prompts, reducing hallucinations and improving vulnerability detection **precision by 30%** over zero-shot baseline.

Polly Debate AI | Python, DeepFace, OpenCV, Google Gemini API (gemini 1.5-flash), Websockets

Backend Developer

October 2025

- Integrated DeepFace and OpenCV for **real-time emotion detection**, processing video frames at **30+ FPS** to analyze facial expressions.
- Developed multimodal scoring algorithms combining facial expression data with audio tone analysis via **Google Speech-To-Text**, improving user debate performance metrics by **56%**.

LEADERSHIP

Google Software Engineering Fellowship, BASTA

March 2026 - May 2026

Fellow

- **Competitively** selected from a national applicant pool for a Google-backed **software engineering fellowship**; received direct mentorship from a Google Cloud Engineer.

Society of Industrial and Applied Mathematics - Queens College

February 2024 - January 2025

Treasurer/Event Coordinator

- **Allocated** over **\$7,500** in combined budgets for professional development initiatives and hackathon sponsorships serving **200+ members**.
- **Organized** weekly Python workshops and math competitions, driving a 70% increase in active member participation over two semesters.