

Octavio Luis Morales

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ

Master of Science in Computer Science | **GPA:** 3.443

Expected May 2026

Bachelor of Science in Computer Science | **GPA:** 3.278

May 2025

Awards: Joseph W. Mitro Scholarship, NACME Scholarship, Dean's List, Greek Leader of Distinction

Relevant Coursework: Data Structures, Algorithms, Web Programming, Concurrent Programming, Machine Learning, Data Mining, Agile Methods for Software Development, Computer Architecture and Organization, Systems Programming, Mobile Systems and Applications, Object Oriented Designing, Linear Algebra, Probability & Statistics

SKILLS & CERTIFICATIONS

Programming: Java, Python, C, C#, C++, Dart, R, JavaScript, Typescript, HTML, CSS, SQL, Rust, React, Scheme

Tools: AWS, Azure, Google Cloud, Firebase, ChatGPT, Gemini, Github Copilot, Microsoft 365 Copilot, Docker, Git, TensorFlow, Redux, Flutter, MongoDB, R Studio, PostgreSQL, Redis, Oracle VirtualBox, Visual Studio Code, IntelliJ, Visual Studio, Eclipse, Android Studio, Unreal Engine, Microsoft Office (Excel, Powerpoint, Word, Outlook)

Certificates: Google Data Analytics (June 2025), IBM Introduction to DevOps (July 2025)

PROJECTS

Stevens Institute of Technology | Hoboken, NJ

CreAltire: AI-Powered Video Chat Filter Application

September 2024 - May 2025

- Built an AI-powered application to enhance user engagement by enabling real-time video chat filters that adapt to speech context, thereby streamlining conversations through automated filter selection.
- Directed a team of five in constructing system architecture and middleware with Android Studio, facilitating integration with streaming applications while leveraging open-source filters.

Game Share: Video Game Discovery and Sharing Platform

September 2024 - December 2024

- Developed a web application for sharing and discovering video games, featuring tailored recommendations, advanced search filters, and user-generated content like ratings, comments, and curated lists.
- Implemented technologies including Redis for caching, MongoDB for database management, Firebase Auth for secure authentication, and deployed the platform using Vercel and Docker for scalability and efficiency.

Bankruptcy Prediction Model

February 2024 - May 2024

- Spearheaded a team of four in creating a machine learning model that achieved 82% accuracy in predicting company bankruptcy, utilizing task coordination, feature selection, securing 2nd place among 14 groups.
- Streamlined 95 bankruptcy indicators down to 31, significantly improving model efficiency and accuracy by identifying the most pertinent data attributes and integrating various predictive models.

WORK EXPERIENCE

Graduate Coordinator | Hoboken, NJ

Stevens Institute of Technology

May 2025 - Present Day

- Supervised 21 student organizations by advising chapter leaders through the accreditation process and providing guidance on documentation, compliance, and organizational development to ensure long-term success.
- Led planning of large-scale community programs for over 1,000 students by managing logistics and operational workflows, and overseeing a collective \$10,000+ budget to ensure the successful execution of diverse events.

Point of Sale System Developer | Bloomfield, NJ

Freelance

July 2024 - August 2024

- Enhanced transaction efficiency and user experience by designing a user-friendly point of sale system with Visual Studio, leveraging C# for robust backend functionality, and employing SQL for effective data management to streamline student organization events.
- Elevated system performance by incorporating employer insights and user feedback, driving alignment with project goals and maximizing operational effectiveness throughout the development lifecycle.

ADDITIONAL ACTIVITIES

LatinX Council- President; La Unidad Latina, Lambda Upsilon Lambda Fraternity, Incorporated- Secretary, Treasurer, Academic Chair; Stevens Bowling Team- Vice President; Society of Hispanic Professional Engineers; Order of Omega