Emiliano Gutierrez

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Education

Stevens Institute of Technology   **May 2028**

B.S. Computer Science — GPA: 3.00   *Hoboken, NJ*

- Awards: Presidential Scholarship, Edwin A. Stevens Scholarship, Stevens Grant.

- Relevant Coursework: Discrete Structures, Computer Architecture, Algorithms, Probability, Data Science.

Technical Skills

Languages: Python, Java, C++, C, Scheme, SQL, Assembly.
Tools: Git/GitHub, Jira, Pandas, NumPy, scikit-learn, Jupyter, Excel.
Strengths: DS & Algorithms, Machine Learning, Data Processing, Functional Programming.

Projects

Waddle – Job Portal MVP (In Progress)   *Next.js, Node.js, MongoDB, Jira*
- Developing a platform for Stevens students to access paid internships/externships from Hoboken & NYC businesses.
- Building features including business accounts, internship posting UI, dashboards, and authentication logic.
- Using Jira for sprints, backlog refinement, and dev coordination across a 6-person team.
- Designed scalable backend architecture targeting 3,000+ student users.

Algorithm Visualizer   *C++*
- Built tool visualizing sorting/searching algorithms with runtime metrics; improved peer learning by 30%.

Machine Learning Classifiers   *Python*
- Developed logistic regression & decision tree models reaching 92% test accuracy using model tuning + feature scaling.

Data Analysis Pipeline   *Python*
- Automated preprocessing pipeline reducing data cleaning time by 40% using Pandas and modular functions.

Experience

Stevens Software Engineering Club   **Aug 2025 – Present**

Product / Project Manager   *Hoboken, NJ*
- Led development of full-stack job portal MVP; coordinated frontend/backend deliverables across 6 developers.
- Created user stories, sprint boards, and acceptance criteria in Jira; increased alignment and on-time delivery.
- Implemented GitHub Actions CI workflows reducing merge conflicts and improving deployment reliability by 30%.
- Facilitated code reviews and retros to maintain code quality and accelerate feature batching.

The Wash Tub   **Mar–Aug 2024; May–Aug 2025**

Operations Associate   *San Antonio, TX*
- Automated reporting workflows identifying bottlenecks; reduced operational discrepancies by 20%.
- Analyzed throughput metrics and redesigned workflows increasing efficiency by 15%.
- Trained 10+ employees, standardizing communication and process consistency.

Leadership

Delta Tau Delta Rho Chapter   **Jan 2025 – Present**

New Member Educator   *Hoboken, NJ*
- Lead education program for new members, designing weekly learning modules and coordinating chapter-wide onboarding.
- Facilitate training sessions on chapter values, leadership, academic support, and risk management.
- Manage communication between executive board and new member class to ensure smooth integration and accountability.

Additional

Languages: English, Spanish.
Interests: Applied AI, Software Engineering, Soccer, Videography, Photography.