

# Eduardo Acosta

Hanover Park, IL | Cell: 847-284-8422 | laloacodelreal@gmail.com

LinkedIn: [linkedin.com/in/EduardoAco](https://www.linkedin.com/in/EduardoAco)

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## PROFILE

Tech-driven computer science student with a 4.0 GPA and practical experience in IT, programming, and system troubleshooting. Enjoys exploring emerging technologies, solving complex technical problems, and contributing to collaborative projects.

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## EDUCATION

**Northern Illinois University**, DeKalb, IL

- Bachelor of Computer Science, Minor in General Mathematics
- Sigma Phi Epsilon Vice President, IL Epsilon Chapter

Expected Graduation: May 2026

GPA: 4.00 Dean's List (3.75 - 4.00)

**Elgin Community College**, Elgin, IL

- Associate of Science
- Dual Enrollment: Earned high school diploma and Associates concurrently.

Graduation Date: May 2023

GPA: 3.867 Dean's List (3.50 - 4.00)

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## TECHNICAL SKILLS

**Languages:** C++, Python, SQL, HTML, PHP, JavaScript, Julia, Assembly

**Tools and Systems:** Unix/Linux Shell, Git, STL, Excel, Access, Power BI, Jupyter Notebooks, PC/Hardware Troubleshooting

**Concepts:** Data Structures and Algorithms, Object-Oriented Programming, Memory Management, File I/O, Templates, Exception Handling, System and Process Management, Database Design

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## PROJECTS

**MelodyMash** (*HTML, JavaScript, SQL, PHP*)

- Designed and implemented a karaoke queue app with SQL databases to manage and query real-time song requests.
- Created admin dashboards to visualize request patterns, track DJ performance, and generate event insights.
- Integrated a payment tracking feature to boost engagement, improve user experience, and streamline queue acceleration.

**PQuote** (*HTML, JavaScript, SQL, PHP*)

- Developed a comprehensive SQL quoting system to record orders, track parts, and calculate totals.
- Automated notifications to update users on order status, reducing delays and improving transparency
- Built detailed dashboards to monitor employee performance and analyze commission structures for efficiency and fairness.

**Dungeons and Dragons-Inspired Game** (*C++*)

- Programmed a randomized, scenario-based RPG using OOP to manage characters, enemies, dice rolls, and events.
- Modeled turn-based mechanics, stat generation, and combat flow.

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## WORK EXPERIENCE

**Website Administrator - Illinois Epsilon Chapter**, Sigma Phi Epsilon, DeKalb, IL, 60115

February 2024-Current

- Maintain and regularly update the Illinois Epsilon Chapter website to ensure smooth performance and user accessibility.
- Collaborate with chapter leaders and alumni to publish content that reflects fraternity values and promotes engagement.
- Create and manage web pages that showcase chapter events, recruitment efforts, and accomplishments.
- Contributed to an 80% increase in new member interest through improved digital outreach and a stronger online presence.

**STEM Instructor – NIU STEAM Camp**, DeKalb, IL, 60115

June 2025-August 2025

- Taught Python programming and IT/system troubleshooting concepts to students
- Led hands-on lessons focused on engineering processes and design thinking.
- Guided students through digital design projects to build creativity and technical confidence.
- Promoted engineering mindsets by encouraging curiosity, iteration, and real-world problem solving.

**Pharmacy Technician – Walgreens**, Hanover Park, IL, 60133

July 2023-Current

- Certified pharmacy technician who focuses on filling and distributing medical prescriptions while also updating and arranging fixes to insurance issues within customers.
- Deliver excellent customer service and assist a predominantly Spanish-speaking patient community.

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## ADDITIONAL SKILLS

- **Bilingual:** Proficient in both Spanish and English with a certification in the Illinois State Seal of Biliteracy.
- **Data structures and Algorithms:** Solid understanding and ability to apply data structures such as binary trees, linked lists, queues, etc., as well as algorithms such as depth first search, binary search, heap sort, and many more.
- **Analytical Thinking and Mathematical Problem Solving:** Proficient in applying mathematical computations, algorithms, and theorems in various scenarios to analyze data, solve complex problems, and mathematically approach challenges.
- **Information System Skills:** Able to apply troubleshooting and fixes to maintain systems and keep them running at their most efficient capabilities. Furthermore, capable of maintaining equipment by following up with inspections and protocols.
- **IT and Systems:** PC setup, hardware/software troubleshooting, system maintenance, efficiency optimization