

SERAFIN O. GARGANTIEL III.

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EDUCATION University Of Illinois at Chicago (UIC)

August 2022 - May 2026

- Computer Science Major with Software Engineering Concentration | Current Cumulative GPA: 3.42

RELEVANT SKILLS

Programming Languages: Proficient: C++ • Python • SQL | Intermediate: Java • C | Familiar: F# • React

Software Tools: VS Code • IntelliJ IDEA • GitHub (Group Version Control) • Linux Command-Lines • Arduino IDE • PostgreSQL Jupyter Notebook • Tableau (Program Experience) • Numpy and Pandas

Software Development Practices: Object-Oriented • Data Structures • Algorithms • Recursion • Memory Management

Multithreading and Concurrency • Unit Testing and GDB Debugging • Complexity Optimization • Data Analysis & Visualization

NOTABLE PROJECTS

Wild Realms Immersive Wildlife Simulator

September 2025 - December 2025

- Built an interactive simulator enabling users to explore 6 global biomes and monitor 10+ species under environmental stress
- Implemented map navigation and 3D monitoring using React components and an integrated Google Earth API
- Collaborated in a team of 4, contributing to UI development and integration of environmental state updates

Amazon Product Reviews Database System

September 2025 - December 2025

- Designed and implemented a relational database storing 50,000+ product reviews with fast SQL search and store metadata
- Developed analytics queries in C++ and PostgreSQL reducing search time by 35% through indexing and query optimization
- Collaborated in a group of 3 following Git-based workflows and version control for development coordination

Card Poker Game

October 2024 - November 2024

- Built a functional GUI-based card game using Java, JavaFX, and CSS, with complete betting rules and AI-driven dealer logic
- Implemented win-loss detection algorithm with 100% accuracy across multiple test simulations
- Completed in a two-person collaboration using IntelliJ

WORK EXPERIENCE

Prospect Airport Service Assistant (Summer Job)

O'Hare International Airport, Chicago IL | July-August 2025

- Assisted passengers per shift at one of the busiest U.S. airports, maintaining service quality in fast-paced environments
- Coordinated luggage handling and equipment usage to support efficient ground operations

FIA Athletics Intern (Volunteer)

Filipinos In Alliance - University of Illinois at Chicago | January-April 2025

- Volunteered in planning and executing athletic events, supporting scheduling and on-site operations
- Worked with the athletic organization leadership to support event coordination and engagement

CERTIFICATIONS & AWARDS

Coding for Data - Python/SQL Specialist

Issued December 2024

- Gained practical experience doing professional-level data analysis utilizing Python and SQL with Jupyter Notebooks.
- Worked with large, real-world data sets, investigated business problems and made data-driven recommendations

Global Career Accelerator - Intercultural Skills

Issued December 2024

- Demonstrated intercultural skills and applied effective interaction with a diverse team in an online environment.
- Includes intercultural communication, personal reflections, and workplace situation simulations

The GRAMMYs Project - Website Audience Analysis

Issued December 2024

- Completed a real data analysis project for The Recording Academy.
- Gained hands-on experience on professional data analysis and visualization to investigate, analyze, and present findings.

Intel Project - Data Analysis for Sustainability

Issued November 2024

- Completed a real data analysis project for Intel's sustainability team.
- Gained experience on professional data analysis and visualization on topics based on the goals of Intel's Sustainability

LEADERSHIP

Global Accelerator Program for Data Wrangling

August - November 2024

- Computer Science program specializing on professional level data wrangling and analytics using SQL and Python

Entrepreneurship & Wearable Technology Study Abroad In Europe

July 2025

- STEM study abroad program specializing in start-up tech company visits, tour guides, and conventions in London & Milan

Society of Professional Hispanic Engineers At UIC

August 2024 - Present

- Hispanic STEM student organization focusing on career development, company networking, and STEM conventions

Filipinos In Alliance

March 2024 - Present

- Filipino student organization focusing in culture, volunteering, performances, athletics, and hosting social events

UIC SparkHacks Hackathon

February 2024

- Implemented SQL-backed keyword mapping for chatbot queries prototyping web-navigation guidance in group hackathon

ATHLETICS

Berber City FC

December 2025 - Present

- Played for Berber City FC on their winter soccer program prepping players for UPSL/MWPL Semi-Pro Season 2026

Diverse City FC Pro Academy

December 2025 - Present

- Trained with Diverse City FC Pro Academy with the goal of creating opportunities for young players and athletes

Chicago City SC

November 2025 - Present

- Played for Chicago City SC on weekend games against other Chicago soccer teams prepping for GCSL Season 2026

Machu Picchu FC

June 2025 - October 2025

- Played for Machu Picchu FC on GCSL City Division Season 2025 against high-level and semi-pro soccer clubs

UIC Men's Club Soccer

September 2023 - April 2025

- Played for the UIC Men's Club Soccer against other college soccer clubs providing a competitive soccer environment