

Joseph Francolino

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TECHNICAL SKILLS

Programming: Java, Linux, Python, Unity, JavaScript, C#, Rust, HTML, SQL

Office Applications: Microsoft 360, Excel, Google Suite, MobaXterm, Trello, Generative AI

Interpersonal Skills: Scrum, Leadership, Communication, Collaboration, Problem-Solving, Customer Service

TECHNICAL PROJECTS

Digital Forensics Card Game | Scrum Master - C#, Git, Unity

September 2025 - December 2025

Rowan University | Glassboro, NJ

- Building a Unity turn-based card game with stat modifiers and character select; implemented hover selection states, disabled logic, and a rules driven deck engine.
- Lead a cross-functional team using Scrum methodology, run daily standups, sprint planning, review, retros, maintain the product backlog on Trello, track velocity with burn-up charts, remove blockers, and drive on time sprint goal delivery.

Taxi Data Analysis - Rust, DataFusion

March 2026

Rowan University | Glassboro, NJ

- Built a data analytics pipeline in Rust using Apache DataFusion to process 12 months of NYC taxi trip data.
- Executed SQL and DataFrame queries to compute trip volume, revenue, and fare trends across datasets.
- Resolved data ingestion and schema issues, improving pipeline reliability and execution.

Sorting and Searching Benchmark Suite - Java

April 2024

Rowan University | Glassboro, NJ

- Implemented classic sorts merge, quick, insertion, selection, and bubble and search routines over primitive and generic arrays.
- Built a repeatable benchmarking harness using System.nanoTime with multiple trials and array generators exported results to CSV for analysis.
- Implemented Sorter/Searcher interfaces with generic types and instrumented comparison and swap counters to validate Big-O on random, sorted, reverse data, then auto-generated summary reports

EXPERIENCE

Bellhop

June 2022 – Current

The Breakers Hotel | Spring Lake, NJ

- Greeted guests upon arrival and assisted with luggage to the hotel room.
- Accurately recorded luggage storage information, ensuring prompt retrieval of belongings at guest request.

Food Runner

June 2024 – Current

Klein's Restaurant | Belmar, NJ

- Handled high-pressure situations calmly and professionally during peak hours or unexpected rushes at the restaurant.
- Managed multiple tasks simultaneously, prioritizing duties effectively for maximum productivity.

Beach Maintenance Supervisor

May 2018 – August 2024

Borough of Spring Lake | Spring Lake, NJ

- Mentored new employees in proper techniques for cleaning, sanitizing, and maintaining facilities according to department guidelines.
- Established strong relationships with clients by promptly addressing their concerns related to service levels or operational issues.

EDUCATION

Rowan University | BS in Computer Science

Expected 2026

- **Clubs & Organizations:** Cybersecurity Club, Sigma Alpha Epsilon Fraternity
- **Relevant Coursework:** Calculus I - II, Linear Algebra, Introduction to Object-Oriented Programming, Object-Oriented Programming & Data Abstraction, Computer Lab Techniques, Data Structures and Algorithms, Computer Organization, Software Engineering, Programming Languages, Foundations of Computer Science, Cyber Security: Fundamentals, Principles and Apps

AWARDS

Eagle Scout | Troop 31, Spring Lake, NJ

October 2018