

Kevin Leger

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OBJECTIVE

Motivated Computer Engineering student seeking an internship/co-op to apply classroom knowledge to real-world challenges, with a focus on manufacturing solutions and data analysis.

EDUCATION

Syracuse University | B.S. in Computer Engineering | **3.85 GPA** **May 2026**

Syracuse University | Masters in Business Administration **May 2027**

Achievements: ECS Leadership Scholarship, René Crown Honors Program, Five Dean's List Honors

Relevant Coursework: *Computer Architecture, Embedded Systems, Computer and Network Security, Operating Systems, Microcontroller Laboratory, Systems and Network Programming*

PROFESSIONAL EXPERIENCE

Automation Engineer Co-Op | TTM Technologies | May 2023 - August 2024

- Collaborated with a team of software engineers to develop **preventative maintenance** systems as part of the company's **digital transformation** initiative, significantly reducing product defects using [Ignition SCADA](#) (Python, SQL, Java, Realtime Tag Management).
- Developed an in-house Manufacturing Execution System for their new Integrated Electronics plant. Leveraging relational databases, handled **work order management** and scheduling, routing for part numbers and reworks, **overall equipment effectiveness**, and downtime tracking.
- Captured, processed, and analyzed **millions** of data points through machine connection protocols to generate actionable reports and capture trends in manufacturing operations, increasing process insight and enabling **data-driven** decision making for operators.

ECS AEW Facilitator | Syracuse University | Fall 2023 - Present

- Lead one credit *Fundamentals of Computing, Calc I and Calc II* courses through Syracuse University, providing critical support to enhance student comprehension in their courses.
- Cultivated a supportive and professional learning environment, resulting in near-perfect student feedback and improved course performance for participants.

SKILLS

Languages: Python, Java, SQL, C/C++, VHDL

Tools: Ignition, VSCode, Arduino, WaveForms, Cadence, Synopsys, MPLABS, Microsoft Office

OS: MacOS, Windows, Raspberry Pi OS, Ubuntu

Other: Clear and concise communicator, conversational in Spanish

PERSONAL PROJECTS

Grocery Store Pathfinder

- Worked in a team of five for the 24-hour 'CuseHacks 2024 event to develop a grocery store pathfinder, where users could select desired groceries and be given the optimal route to walk through the local store. Incorporated web scraping, A* pathfinding heuristic, and visual graphing animations. Won best Accessibility Project and best Overall Project.
- **Frameworks/Languages:** Python, SQLite, Selenium, A*, matplotlib, tkinter

Full-Stack Task Management Web Application

- Engineered a comprehensive task management system with front-end and back-end components, optimizing personal productivity and academic organization. Implemented key features including an **analytics** dashboard and **admin** controls.
- **Frameworks/Languages:** Ignition, Python, Java, SQLite

Java Web Server and Web Pages

- Worked in a team of four for a school project to build a **browser supported** web server. Features include GET, HEAD and POST requests, **SSL** connection, **multithreading** to host up to **20** clients at once, real time **logging**, file **downloading**, and a Login Page for authorization.
- **Frameworks/Languages:** Java, HTML, CSS, PHP