

Paul Cervellero

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Education

Bachelor of Science in Computer Engineering | Expected Graduation: May 2027

University of South Carolina, Columbia, SC

- GPA: 3.5
- Dean's List: Fall 2023, Spring 2024, Spring 2026
- Merit Scholarship | Smolka Rugby Scholarship
- Gamecock Rugby Athlete; Theta Chi Member

Experience

Business Intelligence Intern, **EuroHome**, Philadelphia, PA, 05/2026 - Current

- Analyzed customer and product data to identify trends and support business decisions.
- Prepared market insights and product information to assist internal planning and reporting.

Software Intern, **SAS Pharmaceuticals**, Doylestown, PA, 06/2025 - 08/2025

- Maintained and troubleshooted internal supply management software to improve operational efficiency.
- Identified and resolved backend bugs, enhancing order tracking and data accuracy.

Civil Engineering Intern, **Heritage Custom Pools**, Richboro, PA, 06/2023 - 06/2024

- Assisted with layout design and on-site pool construction, ensuring precise measurements and safety compliance.

Projects and Applied Skills

Falcon Embedded Flight Computer (Embedded C, STM32)

- Built a modular STM32 flight-computer software baseline in Embedded C with a cooperative scheduler, simulated sensors, telemetry generation, RAM logging, and startup self-tests.
- Tech: Embedded C, STM32CubeIDE, Python, Git, GitHub, Telemetry, State Machines

System Simulation Project

- Built and tested C++ and Python control-system simulations, improving model accuracy by 15%.
- Tech: Python, C++, System Simulation, Control Systems, Model Validation, Algorithm Development

Inventory Tracker (C++)

- Developed an object-oriented inventory management application with file I/O and data validation.
- Tech: C++, Object-Oriented Programming, Data Structures, File I/O, Data Validation, Debugging

