

# ILARYA FRANCO

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## SUMMARY

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Aspiring software engineer with a strong foundation in secure software development and hands-on experience building cross-platform C++ applications at Lockheed Martin. Skilled in C/C++, Java, and development tools such as Qt Creator and Git. Recognized with a 4.0 GPA and multiple honors, and experienced in applying cybersecurity principles through competitive blue-team events.

## EDUCATION

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**University of Central Florida, Burnett Honors College** Orlando, FL  
*Bachelor of Science, Computer Science, GPA 4.0* **Anticipated: May 2027**  
**Honors / Awards:** Benacquisto Scholarship (2023), National Merit Scholar (2023),  
President's Honor Roll (Fall 2023, 2024, 2025, 2026)

## CERTIFICATIONS & SKILLS

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### Certifications:

Active Secret Security Clearance; Learning Docker, LinkedIn Learning, 2025

### Skills:

C/C++ Language, Java Language, Python Language, Windows Firewall, End-Point Security, Microsoft Office Suite, Google (G) Suite, Dynamic Memory Allocation, Abstract Data Structures, Algorithms, QTCreator, Embedded Software Development, Git, Linux, HTML, Tailwind CSS

## EXPERIENCE

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**College Work Experience Program** Orlando, FL  
*Lockheed Martin, Software Engineer* *July 2025 – Present*

- Develop cross-platform GUI applications using C++ and Qt Creator to improve data visualization and overall user experience
- Refactor C++ software on Linux-based systems to improve modularity, maintainability, and performance across embedded software components
- Update internal software tools by implementing cross-platform build support (Windows/Linux), bug fixes, and workflow improvements

**Teacher's Assistant** Orlando, FL  
*University of Central Florida, CECS Introduction to Discrete Structures* *January 2025 – May 2025*

- Strengthened student mastery of proof techniques and other mathematical tools through weekly meetings and targeted problem sets
- Provided timely, constructive feedback and managed grading for sections of 30+ students

## UNIVERSITY CLUBS & PROJECTS

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**Hack@UCF** Orlando, FL  
*Member* *August 2024 – Present*

- Horse Plinko Cyber Challenge – Blue Team Competitor  
*October 2025: 1st Place | October 2024: 9th Place*
  - Defended critical Windows services (RDP, FTP) for over 83% of competition time by implementing firewall rules, auditing user activity, and minimizing attack surface exposure
  - Conducted real-time analysis of network traffic, system logs, and scheduled tasks to detect and mitigate Red Team intrusions, ensuring service continuity

**Cairos – Scheduling Web Application** *October 2025*

- Worked in a team of 7 to design and build a full-stack application using React, Node.js, CSS, Google OAuth, and Google Calendar to automatically find and schedule events between registered users
- Developed the application's frontend and connected UI components to REST APIs, implementing secure authentication, Google Calendar interactions, friend-management features, and event-creation logic