**Francisco Lorenzo**

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**EDUCATION**

**Villanova School of Engineering** **Villanova, Pennsylvania**

*Bachelor of Science in Computer Engineering Expected May 2026*

**GPA:** 3.97 / 4.00

* **Honors:** Dean’s List
* **Relevant Coursework:** Diff Equations, Discrete Structures, Java Bootcamp, C++ Algorithms and Data Structure, Fundamentals of Comp Engineering, Physics II Elec and Magnet, Electric Circuits Fundamentals, Digital Systems, Analysis of Algorithms, Computer Networks, Computer and Network Security, Platform Based Computing

**Universidad Complutense de Madrid and Universidad Carlos III de Madrid** **Madrid, Spain**

*Study Abroad Program August 2024-December 2024*

* **Relevant Coursework:** Operating Systems, Computer Architecture, Signals and Systems

**ENGINEERING EXPERIENCE**

**Tennis Scorekeeping System – Personal Project**  **Villanova, Pennsylvania**

*Developer January 2025 – Present*

* Developing an IoT-enabled scorekeeping system with a Raspberry Pi Zero W 2, Python, and Bluetooth to manage scores wirelessly in real time.
* Designed and programmed 7-segment LED displays to show points, games, and sets, leveraging GPIO control and modular hardware prototyping.
* Building a data-driven smartphone app to automate match analytics, including game duration, point, serve statistics

**SoftProtect App Development** **Villanova, Pennsylvania**

*Developer April 2024 – May 2024*

* Created a production plan for an app that secures and manages digital content with advanced watermarking and copyright tools
* Identified feasibility by analyzing constraints, defining tasks, managing budgets, and scheduling across teams

**Engineering Holiday Ornament Competition**  **Villanova, Pennsylvania**

*Member October 2022 – December 2022*

* Worked as a team of three to 3D print a base using SolidWorks and laser cut an acrylic arc and wooden snowflake with a Glowforge laser cutter
* Won Best Combination of Materials/Technologies, using acrylic, polymer, yarn, wood, laser cutting, and 3D printing

**AT&T Prime Communications Dealer in Mexico** **Mexico City, Mexico**

*Intern July 2021*

* Adapted to their Citrix Workspace software and sold 20 prepaid and 14 pay-as-you-go cellular data plans

**WORK EXPERIENCE**

**The Math Center**  **Villanova, Pennsylvania**

*Tutor January 2024 – August 2024, January 2025 – Present*

* Provide 1:1 tutoring to fellow undergraduate students in Calculus I and II as well as Differential Equations
* Work drop-in table providing assistance to groups of up to six students simultaneously

**Women’s Specialty Center** **Dallas, Texas**

*Intern June 2022 – August 2022*

* Revised over 100 insurance claims to secure proper compensation using Citrix Workspace
* Gained extensive experience working with and analyzing balance sheets
* Developed a quantitative business proposal to insurers, advocating for increased coverage options

**SKILLS**

**Operating Systems**: MacOS, Windows, Linux-based Systems (Ubuntu)

**Programming Languages:** C, C++, Java, ARM, Python, VHDL, CSS/HTML, React, Git

**Languages:** Spanish (native), English (fluent), French (proficient)

**Activities and Societies:** Institute of Electrical and Electronics Engineers, Society of Hispanic Professional Engineers, Special Olympics, Villanova Club Tennis, Pi Kappa Phi Fraternity