

Amiri Prescod

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EDUCATION

Villanova University

Villanova, PA

- **Bachelor of Science in Electrical Engineering, GPA: 3.14** *August 2022 – May 2026*
- **Minor in Computer Science**
- **NCAA DI Athlete: Track and Field**
- **Coursework:** Embedded Systems, Signal Processing, Engineering Probability & Statistics, C++ Algorithms & Data Structures, Platform-Based Computing, Digital Systems, Electric Circuits Fundamentals
- **Honors:** Dean's List, BIG EAST All-Academic Team, Athletic Director's Honor Roll

ENGINEERING/PROFESSIONAL EXPERIENCE

Independent Undergraduate Biomedical Research

Villanova, PA

Undergraduate Research Assistant

September 2025 – Present

- Conducted Research with Dr. Izzetoglu to study the functioning of the human body and brain by acquiring biomedical signals.
- Organized data received by the board while making PCB as flexible as possible.

The National Gas Company of Trinidad and Tobago Limited

Point Lisas, TTO

Undergraduate Intern – Asset Maintenance

July – August 2025

- Supported Electrical, Telecommunications, and Instrumentation teams in asset maintenance operations.
- Participated in site inspections, system troubleshooting, and operational diagnostics across industrial facilities.

Heft IQ

Remote

Intern

June – August 2024

- Gained foundational exposure to artificial intelligence concepts including large language models and deep learning.
- Analyzed AI use cases and applications through guided technical instruction.

Particle Photon Security System Project

Villanova, PA

Student

Spring 2024

- Designed and implemented a real-time burglar alarm system on a Particle Photon using an interrupt-driven finite state machine, hardware timers, and cloud-based alerting via Particle IoT APIs.

Wipay Caribbean

Port of Spain, TTO

Customer Service Intern (IT)

May 2021 – August 2021

- Dealt with customer account issues to improve efficiency.
- Organized and maintained customer and operational data to support internal workflows.

LEADERSHIP & EXTRACURRICULAR

Villanova Athletic Facilities Attendant

Villanova, PA

Student Assistant

September 2023 – Present

- Leads groups of student employees in undertaking day-to-day tasks needed by VU Athletic Operations.

National Society of Black Engineers

Villanova, PA

NovaNSBE Pre-College Initiative Chair

April 2023 – Present

- Executive board member of Villanova's NSBE chapter of 50+ members to increase and support students entering STEM professions.
- Organized outreach events engaging local high school students in STEM education.

NovaNSBE Senator

January 2024 – Present

- Represented NSBE Chapter at conferences and events.
- Voted for the National and Regional NSBE Executive Positions.

NCAA DI Student Athlete

Villanova, PA

Villanova University Track and Field (Dedicate 20 hr/week)

August 2022 – Present

- Sprinter on the School Track Team and BIG EAST 60m and 100m Champion (Spring 2024)
- Student leader of the International Student Athlete Group and SAAC Representative for Track & Field.

The College of Our Lady of Fatima

Port of Spain, TTO

School Prefect

April 2020 – May 2022

- Responsible for mentoring younger students.
- Captain of the Soccer Team, which developed team management, leadership, and communication.

SKILLS

Programming: Python, MATLAB, C/C++, VHDL, JavaScript, HTML, Microsoft 365 (Word, Excel, PowerPoint)