

# Darien Alston-Baldwin

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## EDUCATION

### Villanova University

Villanova, PA

- **Bachelor of Science in Computer Engineering, GPA: 3.92** August 2021 – May 2025
- **Minors in Cyber Security & Computer Science**
- **Coursework:** Algorithm & Data Structures (C++), Java Bootcamp, Computer Architecture, Operating Systems, Digital Electronics, Computer Networks, Computer Networks & Security, Discrete Time Signals & Systems
- **Honors:** Dean's List (All Terms)

## ENGINEERING EXPERIENCE

### Function Obfuscation Generator Project

Villanova, PA

Researcher

January 2024 – Present

- Developed open-source toolkit for protecting against hardware intellectual property theft.
- Automated secure hardware design using logic obfuscation algorithms in Python.

### Code Path: Intro to Cybersecurity

Online Course

Researcher

February 2024 – May 2024

- Conducted an advanced cybersecurity project within a Microsoft Azure Labs virtual machine, utilizing John the Ripper to successfully crack over 750 password hashes from a simulated data breach.
- Implemented various attack methods including custom wordlist, rule-based attacks, and mask attacks, while analyzing factors contributing to password hash strength and security.

### MIPS Pipeline Processor Implementation

Villanova, PA

Researcher

August 2023 – December 2023

- Designed multicycle-MIPS layout with VHDL/Quartus Prime, showcasing processor flow.
- Utilized ModelSim and meticulous debugging for precise data alignment with intended instructions.

## PROFESSIONAL EXPERIENCE

### Klynveld Peat Marwick Goerdeler, KPMG

Philadelphia, PA

Federal Cybersecurity Intern

June 2024 – August 2024

- Assisted clients in implementing the Risk Management Framework (RMF) to enhance their cybersecurity posture.
- Ensured client compliance with RMF, optimizing their technology infrastructure.

### Villanova University

Villanova, PA

Help Desk Consultant I

August 2023 – Present

- Provided first-level support for UNIT systems, resolving technical issues and logging tickets in TeamDynamix (TDX).
- Improved customer service and communication skills through consultations with students, faculty, and staff.

### Klynveld Peat Marwick Goerdeler, KPMG

Philadelphia, PA

Embark Scholar Information Technology/Engineering Intern

June 2023 – August 2023

- Gained insight into the role of software engineering, trading, and business development teams at the firm.
- Assist engagement teams with various tasks spanning Audit Methodology, Data & Analytics, and Tax & Advisory.

### Lincoln Financial Group

Philadelphia, PA

Broker-Dealer & Wealth Management Intern

June 2022 – August 2022

- Analyzed competitor SEC filings and annual reports to identify key industry trends and strategic insights.
- Cultivated relationships with key LFN Finance, Products, Platforms, and Practice Management contacts.

## LEADERSHIP & EXTRACURRICULAR

### National Society of Black Engineers

Villanova, PA

Vice President

August 2024 – May 2025

- Lead and coordinate events, workshops, and meetings to support member development and networking.
- Work with the executive board to implement initiatives, boosting member engagement and organizational impact.

### Working to be Informed, Studious and Engaged (WISE)

Villanova, PA

Co-President

August 2024 – May 2025

- Lead mentorship programs and workshops to support academic success for male students at Villanova.
- Organize and oversee events aimed at fostering personal growth and leadership development among male students.

## SKILLS, PROGRAMS, & MORE

**Other Programs:** Code Path: Intro to Cybersecurity

**Programming:** Python 3, Java, C/C++ programming, MATLAB, Assembly Language, MIPS

**Certifications:** Autodesk Fusion 360, ISC2 CC

**Languages:** English (Fluent), Spanish (limited working proficiency)