Wesley Dalton

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EDUCATION

University of Pennsylvania - GPA: 3.62/4.00   **Philadelphia, PA**
- *College of Arts & Sciences*: Bachelor of Arts in Computer Science & History, Double Major   May 2027
- **Relevant Coursework**: Applied Machine Learning, Scalable and Cloud Computing, Data Structures & Algorithms, Probability

Riverdale Country School - GPA: 3.92/4.00   **Bronx, NY**
- **Activities:** Captain, Varsity Football | Captain, Golf | Founder, Blockchain Tech Minicourse | President, Investment Club   June 2023

PROFESSIONAL EXPERIENCE

FLORA ©   **New York, NY**
Software Engineering Intern   Jun 2024 – Aug 2024
- Implemented features, pushed bug fixes, interviewed designers for user feedback, and discussed internal development infrastructure
- Assisted in go-to-market strategy for beta launch, including a realtime AI streaming landing page and sculpture gallery launch event

AI Business Club at Penn (AIBC)   **Philadelphia, PA**
Project Leader   Aug 2024 – Present
- Led a team of 10 Computer Science and Finance students to develop an AI-driven predictive analytics pipeline for Prognos Health, optimizing CRM workflows by automating lead qualification, outreach, and sales intelligence
- Enhanced targeting of pharmaceutical buyers, reducing manual effort and accelerating the sales cycle increasing productivity
- Consult with various companies looking to enhance workflows or product features by integrating AI solutions, collaborating with cross-functional teams to design and deploy AI models that drive operational efficiency, automation, and overall business innovation
- Research and implement advanced AI technologies such as RAG, fine-tuning LLMs, and creating custom AI-driven applications

Menlo Ventures   **Philadelphia, PA**
Investment Analyst   Feb 2023 – Present
- Experiential venture program with $21B AUM and collaborates with 5 student analysts, offering sourcing analysis to VC funds
- Conduct investment analysis to identify startups for potential funding; participate in weekly meetings on market trends

PROJECT & LEADERSHIP EXPERIENCE

Respire   **New York, NY**
Project   Feb 2024 - Present
- Engineered a flexible data fusion pipeline combining disparate health datasets into a proprietary algorithm that analyzes temporal trends across multiple indicators, detecting burnout risk patterns up to 7 days before conventional warning signs appear.
- Implemented full-stack web application using Python/Flask, Supabase, RESTful APIs, and Plotly visualizations in a Bootstrap UI.

DiversaTech Penn   **Philadelphia, PA**
Engineering Consultant   Aug 2024 – Present
- Designed and implemented a system for generating high-quality synthetic data to train AI models for a civic engagement platform.
- Collaborated with experts to overcome data quality and model accuracy challenges, creating a robust and scalable solution.

Gamma Technologies   **New York, NY**
Project   2021 – 2022
- Developed private CLI-based software focused on reverse engineering mobile applications to obtain limited clothing and footwear; identified and utilized public mobile endpoints from various retailers to monitor stock and release information
- Built and designed platform providing free monitoring services including COVID-related tools like vaccine and at-home test finders

University of Pennsylvania Rugby Team   **Philadelphia, PA**
Team Member   Sep 2023 – Present
- One of 30 members selected to represent Penn in the Ivy League Rugby system; starting wing (11 or 14)

ADDITIONAL

- **Skills**: React, PyTorch, Docker, SQL, Git, Microsoft Office | Programming Languages – Python, Node.js, Java, OCaml
- **Interests:** Tennis, Graphic Design, Golf, Running, Chess, Hiking, Traveling