Dane Lysaght

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EDUCATION

Villanova University Villanova, PA
Bachelor of Science, Computer Science. *Expected 2030*
Wayne Hills High School Wayne, NJ
High School Diploma. High Honor Roll. GPA: 4.26. *2026*
University of Illinois Summer Coding Bootcamp
Front-End and Back-End Development. *2024*

SKILLS

Languages/Tools: Java, JavaScript, TypeScript, Python, HTML, CSS, React, Next.js, Node.js, C#, Git, OpenAI Codex CLI, Anthropic Claude Code, Google Analytics
Skills: Requirements Gathering, Technical Documentation, Team Collaboration, Stakeholder Communication

EXPERIENCE

Website Developer and Board Member 2022 – Present
Wayne Interfaith Food Pantry (winfoodpantry.org) *Wayne, NJ*
- Built and continue to manage the organization's website with custom CSS, supporting over 200 local families experiencing food insecurity with access to food availability, contact information, and donor resources.
- Use Google Analytics to analyze site traffic patterns, monitor engagement trends, and optimize search engine ranking; led a targeted social media campaign that raised over $2,000 for the pantry.
- Attend quarterly board meetings and vote on issues directly affecting pantry operations.

Golf Pro Assistant 2024 – 2025
Packanack Golf Club *Wayne, NJ*
- Supported member experience by managing tee time reservations, overseeing pro shop operations, and maintaining accurate cart usage logs.
- Assisted the golf pro with coaching the junior golf academy, working directly with junior members to support their development.

PROJECTS

Newark Airport Traffic and Procedure Explorer 2026 – Present
Developer
- Building a full-stack web app using Next.js, React, TypeScript, Node.js, MapLibre, and GeoJSON, integrating the ADSB.lol API to retrieve live aircraft positions and visualize flight trails alongside FAA procedure references.
- Using OpenAI Codex CLI and Anthropic Claude Code to implement frontend and API features, debug issues, and expand automated tests while independently reviewing and validating generated code.

The Breakfast Brigade Website (breakfastbrigade.org) 2024 – 2025
Website Developer / Volunteer
- Designed and built the site from scratch to support a national campaign serving breakfast to people experiencing food insecurity; collaborated with founders to gather site requirements and ensure a positive user experience.
- Applied Google Analytics to monitor ongoing traffic and performance trends and inform site design and SEO strategy.

Simulation Projects in Development 2026 – Present
Developer
- Prototyping an Election Districting Simulator in Python modeling how district boundaries affect voting outcomes, and an Aircraft Icing Simulator modeling ice formation and anti-icing system effectiveness under varying atmospheric conditions.

ACTIVITIES & LEADERSHIP

Villanova Blue Key 2026 – Present
Member
- Lead campus tours for prospective families while representing Villanova and sharing firsthand insights into university life.

Wayne Hills High School Graphic Design Club 2022 – 2026
President, Vice President, Member
- Led recruitment efforts, increasing membership by 50 people; planned and led competitions, software lessons, and projects.

AWARDS & HONORS

- National Honor Society (2024 – 2026) | College Board AP Scholar Award