**Lindsay A. Homolka**

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###### EDUCATION

**Villanova University** Villanova, PA (Expected May 2026)

Bachelor of Science, Major: Comprehensive Sciences, Minors: Chemistry & Economics,GPA 3.96 Dean’s List

###### WORK & SCIENCE EXPERIENCE

**Undergraduate Research** Villanova, PA (Jan 2025 - Present)

* Work in Dr. Eduard Casillas’ lab with focus on natural product synthesis, bioorganic chemistry & biomimetric synthesis
* Use techniques for separation, purification, and isolation of synthetic and organic compounds. Semi-micro and micro scale experiments including representative types of organic reactions. Crystallization, distillation, extraction, and chromatography

**Environmental Intern, MPS Group at Ford Ohio Assembly Plant (OHAP)** Avon Lake, OH (Summer 2024)

* Presented project proposal, internship learnings and recommendations to executive team based in Detroit
* Plant of 1700 employees producing Ford trucks; $1.5B investment to double employees & produce electric van
* Proposed a plastic recycling program for Ford OHAP’s lineside implementation
* Inspected hazardous waste and technical work on weekly basis; conducted semi-annual trash and recycling audit

**Hostess, Cedar Point’s Quaker Steak & Lube** Sandusky, OH (Summer 2023)

* Greeted & seated customers at busy restaurant, managed wait times by monitoring servers, handled all “to go” orders

**Nanny / Academic Tutor** Avon Lake, OH (Summers 2020 – 2022)

* Full daily care for family over multiple summers, including 2020 shutdown while both parents worked from home
* Sought out to tutor 8th grader in Algebra, Science, History & test preparation for Independent School Entrance Exam

###### LEADERSHIP & ACTIVITIES

**NOVAdance** – year-long cancer fundraiser culminating in dance marathon Villanova, PA (Fall 2022 – Present)

* Hero Liaison - Primary point of contact between NOVAdance and Kappa Delta’s paired childhood cancer patient & family; develop and maintain a supportive relationship with B+ Hero and their family; organize events and fundraisers
* Sidekicks - Selected to be one of approximately 30 Freshman Leaders to plan and execute fundraising

**Villanova Sirens,** a cappella GroupVillanova, PA (Fall 2022 – Present)

* Auditioned for & selected to be in ranked singing group, with performances throughout year at University events

**Villanova Club Soccer,** Social ChairVillanova, PA (Fall 2022 - Present)

* Student-run team competes throughout NJ and PA and in NIRSA national and regional tournaments
* Advertise and manage social media accounts to promote our passion for soccer; tryouts have grown from 50 to 80 students for 6-8 roster spots on average
* Have taken active role managing team outreach & campus engagement, increasing number trying out annually by 50%
* Plan events to foster camaraderie among team members and campus club sport organizations

**Avon Lake High School** Avon Lake, OH (Fall 2018 – Spring 2022)

* *Leadership:* President, NHS; Captain: Varsity Soccer and Basketball; VP, Spanish Club; Section Leader, Chorale
* *Service:* Helped teach parish religion class; Environmental conservation volunteer in Puerto Rico, Love-A-Stray
* *Awards:* Southwestern Conference Fall Scholar Athlete (12/21), North Coast Rotary Student of Month (12/21), Future Business Leaders Association 3x State Award Winner (3/21)

###### SKILLS & CERTIFICATIONS

* Hazwopper, DOT, and RCRA certified; Mac, Windows, Microsoft Office, JAVA, ChemDraw, Mnova, NMR, LCMS