Daniel J. Mendler

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EDUCATION

University of Notre Dame   Notre Dame, IN
Bachelor of Science   *May 2026*
Major: Computer Science | Minor: Engineering Corporate Practice   GPA: 3.5

Malvern Preparatory School   Malvern, PA
High School Diploma   GPA: 4.2

LEADERSHIP & ACTIVITIES

Junior Class Council | Notre Dame, IN | *Athletic Committee Member*   Aug 2024 – May 2025
- Organized a variety of engaging events for the Class of 2026, including fundraisers, formals, athletic competitions, and other social activities, to foster meaningful connections and strengthen relationships among peers.

Notre Dame Rugby | Notre Dame, IN | *Member*   Aug 2022 – Present
- Varsity member of Notre Dame's National Collegiate Rugby 15s team.

Malvern Prep Rugby | Malvern, PA | *Captain*   Aug 2019 – May 2022
- Coordinated the team's roster adjustments and game plan strategies with the coaching staff, managed scheduling for practices, strength training sessions, and meetings, and actively recruited new athletes to expand the roster.
- Boosted team morale with pre-game speeches, leading to multiple wins; trained and mentored new rugby players.

RELATED PROJECTS

Generative AI Externship | Cognizant/GenSpark   May 2025 – June 2025
- Built a text completion tool using Cohere's Generative AI API. Developed a user-interactive Python app that accepts prompts and returns AI-generated response. Tuned parameters and evaluated output across prompt types.

Modern Web Development | University of Notre Dame   Jan 2025 – May 2025
- Developing a full-stack web application integrated with a relational database to manage swimmer information, enabling users to add, delete, and sort data based on customizable parameters such as performance metrics.
- Designed UI and backend with JavaScript/Node.JS, HTML, Parse, and Bootstrap to ensure a responsive UX.

Operating System Principles | University of Notre Dame   Aug 2024 – Dec 2024
- Designed heap management functions, including malloc, free, realloc, and calloc, using a block structure and freelist to efficiently manage memory allocation, with dynamic heap resizing via the sbrk system call to optimize memory usage.

Quant Club | University of Notre Dame   Feb 2023 – May 2024
- Constructed an algorithm that analyzes online betting websites using REST API calls, then parsing the JSON data and comparing markets from each site to find the best odds for each game line.
- Utilized functional programming, generators, and concurrency and parallelism using Python.

Advanced Integrated Engineering and Business Concepts | University of Notre Dame   Jan 2024 – May 2024
- Collaboratively managed a business using Capstone's Business Simulation by making various financial, production, marketing, and research decisions that determine the success of the business.

WORK EXPERIENCE

University of Notre Dame | Notre Dame, IN | *Recreation Assistant*   August 2025 – Present
- Provide daily operation of campus recreation spaces by assisting patrons, managing equipment, and maintaining facility standards. Promote a positive user experience through attentive service and swift response to issues or safety concerns.

Ford & Friar Partners | Wayne, PA | *Website Developer*   Jun 2024 – Aug 2024
- Developed and launched a professional website for Ford & Friar Partners, enhancing their online presence and accessibility. Employed modern design principles to create a user-friendly and SEO-optimized site.

St. David's Golf Club | Wayne, PA | *Caddie*   May 2016 – Present
- Assisted golfers during their round by carrying their bags, cleaning their golf clubs and balls, and providing insight regarding distance to the green and club selection. Utilized strong interpersonal and communication skills to build and maintain relationships with members and colleagues to ensure efficient operations and customer satisfaction.

SERVICE /VOLUNTEER WORK

Eagle Scout | Boy Scouts of America Troop 219, Wayne, PA   May 2017 – Present
Vice-President/Tutor | Robinson Community Learning Center Chess Instruction Club, Notre Dame, IN   Nov 2023 – Present

TECHNICAL SKILLS

Technical: Python, C, JavaScript, Java, HTML, CSS, Git, React, Django, REST, PyTorch, Scikit-Learn, SQL, Parse, Shell Scripting, MATLAB, SOLIDWORKS, Google Suite, Microsoft Suite, Circuit Design