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 – Present
- 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.

Siegfried Hall | Notre Dame, IN | *Section-Sports Commissioner* — Aug 2023 – May 2024
- Planned and facilitated multiple sports seasons and events for the Siegfried Hall dorm that boosted morale and camaraderie, including football, basketball, soccer, and other activities.

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

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
- Constructing an algorithm that analyzes online betting websites from an API website, then parsing 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.

Fundamentals of Computing | University of Notre Dame — Aug 2023 – Dec 2023
- Recreated the game "Pong" where the user plays against a pre-programed opponent with three levels of difficulties.
- Utilized the language C, XQuartz, and a graphics library for the course to create a GUI that displays the paddles, the ball, and the score. Designed an animation algorithm that simulates object interactions in real time.

WORK EXPERIENCE

Ford & Friar Partners | Wayne, PA — 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 – Aug 2024
- 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

RELATED ACTIVIES

Study Abroad | Berlin, Germany — Jun 2023 – Jul 2023
- Studied history of Berline and aeronautics while experiencing cultured life in and around Germany.

TECHNICAL SKILLS

Technical: Python, C, Git, Microsoft Excel, Shell Scripting, Circuit Design, HTML, Assembly Language, MATLAB