

NICK PERRY

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EDUCATION

Northwestern University, Evanston, IL **June 2026**
GPA 3.8/4.0
Bachelor of Science, Major in Computer Science (Systems Concentration), Minor in Data Science, Theme in French

Honors/Awards: McCormick School of Engineering Honors (Fall 2023, Winter 2024, Winter 2025, Spring 2025, Fall 2025)
Coursework: Engineering Analysis, Multivariable Calculus, Algorithms, Generative Methods, French Oral Workshop, Machine Learning, Operating Systems, Database Systems, Discrete Math, Computer Networking, Human Computer Interaction
Activities: Club Golf, Club Squash, Club Spikeball, Intramural Soccer, French CinéClub, Kappa Theta Pi Technological Fraternity
Delbarton School, Morristown, NJ **June 2022**
GPA 4.2/4.0

Honors/Awards: Headmaster's List, Highest Honors, National French Honor Society - ACT Score: 34/36

WORK EXPERIENCE

Google, Sunnyvale, CA **June 2025 – September 2025**

Software Engineering Intern

- Worked on the capacity management team in Google Cloud, building tools to optimize resource allocation at scale
- Developed admission control features for an internal console, implementing demand steering functionality for VMs
- Ensured feature parity between the CLI and UI, improving accessibility for multiple teams in their daily operations
- Gained full-stack experience with Angular, Python, and C++ to deliver end-to-end enhancements for capacity management

Mentr Inc.

July 2023 – February 2024

Software Development Intern

- Designed and implemented critical website pages, including the landing page, login/sign up pages, and pricing page, using Webflow, HTML/CSS, and JavaScript for a platform to connect students with new graduates for career mentorship
- Enhanced user experience and functionality of the online marketplace while collaborating closely with the team to troubleshoot issues, identify and build on opportunities for improvement, and ensure smooth website operation
- Actively contributed to team discussions, fostering innovation and adaptability in a startup environment

LEADERSHIP

Northwestern University, Evanston, IL **January 2026 – Present**

Undergraduate Teaching Assistant

- Mentored 200+ students in CS310: Scalable Software Architectures, providing technical guidance on designing cloud-native applications using AWS, Docker, and Node.js emphasizing trade-offs between monolithic and microservice architectures
- Guided students through the implementation of RESTful APIs, serverless computing, and asynchronous programming
- Facilitated weekly office hours, managed a class forum for student inquiries, and aided in assignment and project grading

PROJECTS

Roam

- Developed a comprehensive mobile application using React Native and the Expo SDK to streamline trip and personal planning, designed for study abroad experiences, providing users with a customizable, organized, and centralized platform
- Integrated Supabase for backend infrastructure including PostgreSQL for data persistence, Auth for user authentication, and Storage for photo management with camera capture and multi-select uploads.
- Built an AI-powered travel chat using the Gemini Flash 2.5 API with dynamic trip modules, calendars, and photo galleries
- Designed responsive, intuitive UI with state management and dynamic navigation for a seamless cross-platform experience

PhishGuard

- Built a Chrome extension using JavaScript, HTML, and CSS to detect phishing websites and enhance overall security
- Implemented a Flask-based backend server for real-time URL prediction and analysis using Python
- Applied machine learning techniques to classify websites as safe or potentially unsafe using the XGBoost library
- Gained valuable experience in web development, security protocols, and machine learning approaches and tradeoffs

CineGuide

- Engineered a full-stack web app that recommends movies based on mood and streaming services using a Vite frontend
- Integrated the Gemini API for natural language mood parsing and the TMDB API to fetch movie details and availability
- Employed responsive UI components and state management in React, ensuring a seamless and interactive user experience
- Utilized Git for version control and iterative development, resulting in a highly functional and user-friendly product

Global Mental Health Analysis

- Produced an extensive data analysis project focusing on global mental health disorder prevalence and trends
- Applied advanced statistical methods and machine learning models with the Scikit-learn library, including Polynomial Regression, to forecast global trends in seven different mental health disorders on a global scale
- Visualized complex relationships between disorders using Matplotlib and Pandas, creating plots for comparative analysis
- Crafted interactive visualizations and regional trend analyses using Tableau, enabling dynamic exploration across regions

The Fisherman's Arm, Evanston, IL

Team Member

- Created a fishing device that enables individuals with hemiplegia or limited upper-body mobility to fish independently
- Applied engineering principles and creativity to design a lightweight and durable device that was easy to use and effective in enabling one-armed individuals to cast, reel, and catch fish
- Identified challenges faced by individuals with various disabilities through extensive research and collaborative teamwork
- Exhibited strong communication, leadership, and teamwork skills during the project, contributing to a successful outcome

SKILLS & INTERESTS

Technical: Python, HTML/CSS, JavaScript, C, C++, Git, React, Supabase, Tableau, Webflow, TypeScript, Angular, AWS, Matlab
Languages: English (Native), French (Proficient)

Additional Interests: Golf, Squash, Hiking, Skiing, Reading, Gaming, Cooking, Writing, Cinema, Music, Billiards