# Kylee Kazenski

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<span style="color:red">(Active Secret Clearance)</span>

## EDUCATION

**University of Notre Dame** — *Notre Dame, IN*
Master of Science in Computer Science & Engineering — *GPA: 4.000* | **Aug 2024–May 2025**
- Computer Vision Research Lab—Ear Biometrics (FBI)

Bachelor of Science in Computer Science *(Cum Laude | Dean's List)* — *GPA: 3.847* | **Aug 2020–May 2024**
- Faculty Choice Senior Award (Department of Computer Science & Engineering)
- QuestBridge Scholar & Transformational Leaders Program Scholar

## WORK EXPERIENCE

**Northrop Grumman Corporation** — **Jun 2024–Aug 2024**
*Software Engineering Intern* — *Rolling Meadows, IL*
- Implemented a separate process in C++ to enhance system adaptability and modularity in a large-scale codebase of 1000+ files, ensuring integration and functionality in a closed room with Agile development standards and GitHub version control.
- Conducted rigorous hardware testing to validate a 100% test pass rate and optimal functionality for the new process by identifying and resolving issues with code reviews and collaborative debugging sessions to enhance code efficiency.

**Outlier Platinum Coders Team** — **Dec 2023–Apr 2024**
*Platinum Data Specialist* — *Remote*
- Spearheaded iterative refinement of AI-generated content across multiple programming languages (SQL, Python, Java, C, C++, Go, Bash, HTML, JavaScript) by simulating chatbot interactions to assess and enhance answers to coding-related questions, elevating accuracy and relevance of generated answers and reviews by 75%.

**W. Capra Consulting Group** — **May 2023–Aug 2023**
*Intern Analyst* — *Chicago, IL*
- Pioneered an AI strategy and execution service, uniting a team and devising a compelling pitch, which generated a stream of new client leads and showcased our firm's commitment to industry innovation, driving over $500,000 in potential revenue.
- Executed a payment health assessment, analyzing transaction data and collaborating with the team to develop strategies and pitch solutions on-site, enabling the client to optimize payment operations and data storage while greatly reducing costs.

**University of Notre Dame** — **Jan 2023–Present**
*Teaching Assistant* — *Notre Dame, IN*
- Facilitated individualized guidance in Python and C for Data Structures, focusing on algorithms, code optimization, and debugging, and 3D modeling and animation using Maya for VFX. Simplified complex concepts, provided feedback on code quality and performance, and aided in troubleshooting, contributing to students' academic success and knowledge mastery.

## PROJECTS

**Artificial Intelligence Reading Support Web Application** — **Feb 2024–May 2024**
- Developed an AI reading assistant tool using JavaScript and Python, integrating the ChatGPT API and leveraging Figma for design; incorporated user feedback to ensure accessible technology and increase student reading engagement by 50%.

**Travel Tracker Web Application** — **Sep 2023–Dec 2023**
- Collaborated with a partner to build a location-based journaling web app using React and Google Maps API, enabling users to document their visits, add friends, share comments, and upload images, with data managed via a Back4App database.

**Two-Player 3D Chess Web Application** — **Apr 2023**
- Designed an interactive 3D chess game with WebGL, encompassing various gameplay features, textures, and advanced lighting and shading techniques, demonstrating technical expertise and creativity in game development.

**TCP Client-Server File Transfer Networking Program** — **Apr 2023**
- Developed and optimized a C++ client-server program for scalable, reliable transmission of large files (1GB+) over lossy networks with high latency (100ms+), ensuring efficient data transfer and robustness under adverse network conditions.

## LEADERSHIP/ACTIVITIES

**Notre Dame Leprechaun Mascot** — **Aug 2023–Present**
- Embodied the Leprechaun mascot energetically, engaging diverse audiences through confident and dynamic public speaking and interactive performances and made history as the first female football Leprechaun in front of over 77,000 people.
- Managed the verified Leprechaun account, curating content to drive a follower increase of 9,000+, boosting engagement.

**Dorm Leadership** — **May 2021–Present**
*Assistant Rector | Senior Fellow | Hall Council Commissioner | St. Andre Welcome Committee | Leadership Seminars Resident Counselor*
- Fostered a supportive, inclusive living-learning environment through coordinating community events and administration.
- Mentored students in leadership development, enhancing their interpersonal skills and promoting a sense of belonging.

## TECHNICAL SKILLS

C, C++, Python, HTML, CSS, JavaScript, Java, React, Verilog, albaCore, RISC-V, Fortran, Bash, Lisp, Scheme, Three.js, WebGL, MATLAB, GitHub, Maya, Unity, SolidWorks, Ansys, LaTeX, PlantUML, Excel, Linux, Unix, TCP/IP, Scikit-learn, NumPy, Pandas