Kathryn Cruz

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EDUCATION

University of Notre Dame | Notre Dame, IN   Aug 2021 – May 2026
Bachelor of Science – BS, Computer Science
- 4+1 Dual Degree Engineering Program with Saint Mary's College, Notre Dame

Saint Mary's College | Notre Dame, IN   Aug 2021 – May 2025
Bachelor of Science – BS, Computing and Applied Mathematics
- 4+1 Dual Degree Engineering Program with University of Notre Dame
- Pi Mu Epsilon (mathematics honor society) member

EXPERIENCE

Microsoft | Redmond, WA   May 2025 – Aug 2025
Software Engineer Intern
- Expanded the semantic modeling language powering Copilot queries, improving expressiveness and coverage for natural language inputs
- Contributed and merged 3,000+ lines of production code, following rigorous review and deployment practices
- Enhanced prompt logic for Copilot, refining system instructions to improve response accuracy and developer experience
- Designed and authored one-pagers and solution approach documents, driving alignment across engineering and product stakeholders

Microsoft | Redmond, WA   May 2024 – Aug 2024
Software Engineer Intern
- Played a key role in Compact Signal Store streaming, focusing on optimizing data storage using Google Remote Procedure Calls (gRPC) protocols
- Instrumental in implementing a gRPC service and client for streaming query results, which reduced latency
- Actively monitored costs of goods sold (COGS) and latencies, providing valuable insights that contributed to the project's success in achieving cost savings and efficiency improvements
- Contributed to the project's high-level design and code practices, ensuring adherence to best practices

Microsoft | Redmond, WA   May 2023 – Aug 2023
Explorer Intern (Software Engineer + Product Manager)
- Pioneered the development and implementation of a dynamic front-end table using React, Node.js, and SCSS with the Developer-Experience team
- Designed a comprehensive product management spec using Figma, facilitating seamless communication and alignment with project objectives
- Leveraged Node.js and React to optimize the front-end table's functionality, resulting in an intuitive and visually captivating user interface, and conducted thorough testing to ensure a robust website

Girls Who Code | Remote   June 2022 – Aug 2022
Summer Immersion Program Teaching Assistant
- Proficiently instructed and mentored 50-60 students in HTML, CSS, and JavaScript as a Teaching Assistant for Girls Who Code, delivering engaging lessons via Zoom
- Facilitated weekly advisory meetings to foster a supportive learning environment, organizing sisterhood activities and icebreakers to build stronger relationships among students
- Collaborated effectively with fellow Teaching Assistants and Instructors, co-hosting Student Hours to provide expert troubleshooting assistance and debugging tips for HTML, CSS, and JavaScript projects

TECHNICAL SKILLS

Technical: Python, C, C#, Java, React Native, HTML, CSS, SCSS, JavaScript, CAD, Figma
Other: Microsoft Office (Excel, PowerPoint, etc.), Google Workspace