

# NANCY ROJAS

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## EDUCATION

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**Loyola University Chicago, Chicago, IL**  
*Bachelor of Science in Cybersecurity, Minor in Business Administration*

May 2025

## TECHNICAL SKILLS

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**Languages:** Java, Unix, C, Python, HTML, CSS, JavaScript

**Tools & Proficiencies:** Wireshark, Terminal, Microsoft Office, Quality Assurance, Cybersecurity Diagnostics, Database Management, Hardware Repair & Troubleshooting, Forensic Software

**Relevant Courses:** Introduction to Computing Tools, Intro Computer Security, Computer Vulnerabilities, Wireless Network/Security, Network Security, Intrusion Detection & Security, Computer Forensics, Operating Systems, Data Structures, Discrete Structures, Computer Networks, Client-Side Web Development, Intro Object Oriented Programming, Open-Source Software Practicum, Broadening Participation STEM, and Social, Legal, and Ethical Issues in Computing

## PROJECT EXPERIENCE

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### Comp 310 Operating Systems Project

Spring 2024

*Lead Software Engineer*

- Led the unification and standardization of initial team codebases, developed key functions for a Forth Compiler in C, and ensured cohesive functionality across the project through robust testing and code reviews

**Technologies Used:** C, Google Test Framework, Forth

### Comp 348 Security Design and Policy Assessment

Spring 2024

*Group Project*

- Collaborated with a team to design a secure infrastructure for a simulated company, integrating tailored security solutions to address operational needs
- Identified security challenges and proposed targeted solutions, including comprehensive identity management, secure remote access, and data management protocols
- Developed policies and procedures for authentication, authorization, and accounting, ensuring system integrity and robust identity management

## PROFESSIONAL EXPERIENCE

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### Girls Who Code, Loyola University Chicago Chapter

*Lead Teaching Fellow (Part-Time)*

September 2023 – April 2025

- Successfully boosted student enrollment** by networking with local schools and parents, leading to a significant increase in fall session registrations and retention rates
- Designed and developed** lesson content for various sessions, enhancing educational materials for students
- Coordinated with fellow Co-Teaching Fellows to **optimize session operations** and plan future activities, ensuring **smooth execution and high-quality experiences** for participants

*Volunteer*

January 2023 – April 2023

- Co-led lessons on basic Python programming for students ranging from 3rd to 9th grade, adapting to various learning needs
- Managed multiple tasks simultaneously, including teaching and providing individualized support to students

### BroadStreet Institute Remote Internship

June 2023 - September 2023

*Maternal Health Data Intern*

- Conducted **data entry** and **maintenance** on abortion and maternal health datasets for the Midwest and Mountain regions
- Prepared and verified data for **visualization** to support community health initiatives
- Queried databases to **enhance** public datasets and visualization tools **for community health advocacy**

<b>Girls Who Code Leadership Academy with Raytheon Technologies Remote Apprenticeship</b> <i>Leadership Academy Fellow</i> <ul style="list-style-type: none"> <li>• <b>Leading</b> a Cybersecurity Education/Awareness <b>Give Back project</b> targeting kids, adults, and the elderly</li> <li>• Receiving mentorship from Girls Who Code and Raytheon to enhance leadership, technical, and professional skills</li> <li>• <b>Developed</b> and launched the 'Cyber Insights' website, an educational platform aimed at <b>promoting cybersecurity awareness</b> across diverse age groups, including kids, adults, and the elderly</li> <li>• <b>Managed</b> the project lifecycle from conceptualization to deployment, including wireframing in Figma, content development, and user testing, ensuring accessibility and impact</li> </ul>	<b>August 2024 – December 2024</b>
<b>Girls Who Code Work Prep with Bank of America Remote Apprenticeship</b> <i>Work Prep Fellow</i> <ul style="list-style-type: none"> <li>• Developed <b>cybersecurity breach response procedures</b> for a banking environment</li> <li>• Participated in workshops with <b>Bank of America leaders</b> on cyber awareness, careers, and threat detection</li> <li>• Gained practical experience in <b>phishing, vishing, and smishing</b> through hands-on workshops and peer activities</li> </ul>	<b>July 2023 – August 2023</b>
<b>Center for Diversity and Inclusion, Loyola University Chicago Part-Time</b> <i>STARS Peer Mentor</i> <p>Students Together Are Reaching Success (STARS) is an undergraduate peer mentorship, college transition, and success program that provides direct support to first-year students who self-identify as first-generation college students and/or students of color</p> <ul style="list-style-type: none"> <li>• <b>Guided multiple cohorts</b> of first-year students through their college transition, providing individualized support during biweekly one-on-one meetings and facilitating group discussions</li> <li>• <b>Mentored</b> new peer mentors, advising them on best practices to ensure effective mentee engagement</li> <li>• <b>Collaborated</b> with peer mentors, office interns, and staff to create and implement event content, ensuring smooth execution and leading various event segments</li> <li>• <b>Identified areas for improvement</b> within the mentorship program and <b>implemented solutions</b> that enhanced the experience for both mentees and mentors</li> <li>• <b>Worked with teams across different programs</b> to plan and run monthly community events, managing budgets, schedules, and resources for multiple projects</li> </ul>	<b>August 2022 – May 2025</b>
<b>J. Sterling Morton East High School Internship</b> <i>Technology Service Internship</i> <ul style="list-style-type: none"> <li>• <b>Managed</b> laptop distributions and handled <b>troubleshooting</b> for both students and staff</li> <li>• Provided <b>technical support</b> and <b>repairs</b> for student laptops, including <b>hardware</b> and <b>software</b> issues, in a 1:1 laptop environment</li> <li>• Facilitated efficient operation of campus technology by addressing technical problems, ensuring <b>timely</b> resolutions, and properly <b>documenting</b> tickets in the system</li> </ul>	<b>August 2017 - May 2019</b>
<b>EXTRACURRICULARS</b>	
<b>Brand and Visuals Chair - Loyola WiCyS Student Chapter</b>	<b>May 2024 – May 2025</b>
<b>President – Girls Who Code College Loop</b>	<b>May 2024 – May 2025</b>
<b>STARS Peer Mentor - Center for Diversity and Inclusion, Loyola University Chicago</b>	<b>August 2022 – May 2025</b>
<b>Motorola Solutions Foundation Cybersecurity Experiential Scholarship</b>	<b>2023 – 2024   2024 – 2025</b>
<b>CyberFire Competition Team Competitor</b> <i>Hosted by the Loyola Center for Cybersecurity in partnership with the Department of Computer Science, 7968 Cybersecurity Competitions Club, and the Loyola WiCyS Student Chapter</i>	<b>February 2025</b>
<b>National Cyber League (NCL) Competition Individual &amp; Team Competitor</b>	<b>Fall 2023   May 2024   Fall 2024</b>
<b>Midwest Regional Collegiate Cyber Defense Competition (CCDC) Competitor</b>	<b>February 2024   February 2025</b>