

Alexandra Kopelcheck

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EDUCATION

The Ohio State University | College of Engineering | *August 2021 - May 2025*

Bachelor of Science in Computer Science and Engineering | Minor in Information Security

- Specialization: Software Engineering
- GPA: 3.82/4.00, *magna cum laude*

WORK EXPERIENCE

WillowTree, a TELUS International Company

Software Engineer Intern | *May 2024-August 2024*

- Helped develop and maintain the frontend codebase for the website of Ohio's leading liquor distributor
- Utilized **React**, **SCSS**, **TypeScript**, **HTML** and followed **Agile** software development methodology
- Wrote unit tests for various **React** components to ensure code quality and efficiency
- Researched and created a **React Native** project for an upcoming WillowTree app
- Collaborated with a cross-functional team utilizing project management tools such as **Jira**

Ohio State Driving Simulation Laboratory

Research Assistant | *October 2022-Present*

- Develop simulation scenarios using **SimCreator** and **JavaScript** to help advance driving-related research
- Capture and consolidate driving data such as lane position and speed with **Python** to discover relevant insights and trends

Nationwide Insurance Co.

Software Engineer Intern | *May 2023-December 2023*

- Enhanced leadership and project management skills through completion of **Lean Six Sigma Yellow Belt certification**
- Completed extensive research on generative artificial intelligence technologies emerging in Fortune 500 companies
- Led development on an internally facing vendor logo page for Nationwide associates using **Figma**

CERTIFICATIONS AND TECHNICAL SKILLS

Leadership Certifications

- Lean Six Sigma Yellow Belt Certification

Technical Skills

Languages ▪ Java, Python, Kotlin, C#, SQL, HTML, CSS, TypeScript, JavaScript, C, XML, MatLab, Go, Assembly
Technologies ▪ Git, React, React Native, XCode, Figma, Storybook, Angular, Flask, Unity, Android Studio, Raspberry Pi

PROJECTS

NORA | *March 2025*

- Created a GUI for a portable anesthesia system using **React** and **Flask** while communicating with a **Raspberry Pi**
- Worked in a team of six to present multiple demos for the project sponsor
- Coordinated with a Biomedical Engineering team to better understand project requirements and functions

HotShot | *December 2024*

- Created a golf and basketball shot-tracking Android app using **Kotlin** and **Android Studio**
- Worked in a team of three to present completed app to several potential users

Calorie Counter | *December 2023*

- Created a website to help monitor health activity using **Ruby**, **Bootstrap**, **Javascript**, **HTML**, and **CSS**
- Used API calls to automatically query nutrition information for the user

ACTIVITIES AND LEADERSHIP EXPERIENCE

Sports Ball

President | *April 2022-Present*

Society of Women Engineers

Member | *October 2021-Present*

Association Of Computing Machinery Women's Chapter

Member | *January 2022-Present*