

EDUCATION

William Rainey Harper College <i>Associate in Science</i>	August 2023 - May 2026
Coursework: Computer Science Principles, Computer Science I, Computer Science II, Discrete Mathematics, Calculus 3	
Northern Illinois University <i>B.S. in Computer Science</i>	August 2026 - May 2028
Coursework: N/A	

EXPERIENCE

Computer Science Tutor <i>Private High School Tutor</i>	Schaumburg, IL May 2025 - Present
<ul style="list-style-type: none">Guided high school students in learning the fundamentals of programming through interactive lessons in Python, JavaScript, and web developmentDesigned hands-on projects to demonstrate real-world applications of coding conceptsImproved students' confidence and engagement in STEM by creating a supportive, collaborative learning environment	
Harper Society of Engineers <i>Urban Search and Rescue Project: Robotics Engineer</i>	Palatine, IL Aug. 2024 - May 2025
<ul style="list-style-type: none">Collaborating with a team to design, build, and program autonomous robots capable of navigating simulated urban environmentsProgramming navigation algorithms to enhance obstacle avoidance and target identification accuracy	
American Society of Civil Engineers (ASCE) 3D Printed Bridge Competition: Member	Aug. 2024 - May 2025
<ul style="list-style-type: none">Collaborating with a team to design and optimize 3D-printed bridge structures for strength, stiffness, and aesthetic appeal, meeting rigorous competition requirementsApplying computational modeling and simulation tools to design and optimize 3D-printed bridge structures for strength, stiffness, and aestheticsConducting iterative design prototyping using CAD software, improving structural performance through data-driven refinements	

PROJECTS

Word Analysis Chrome Extension
<ul style="list-style-type: none">Developed a Chrome extension that dynamically graphs the frequency of words in highlighted text, enabling quick textual insights and trend analysisImplemented interactive data visualization using JavaScript, HTML, and CSS to present results in a user-friendly interfaceUtilized Chrome APIs to process user-selected text in real time
Personal Website
<ul style="list-style-type: none">Built a personal portfolio website from scratch using HTML, CSS, and JavaScriptDesigned and implemented responsive UI layouts
Audio File Transcriber
<ul style="list-style-type: none">Created a web application depending on back-end programming that transcribes audio files using Flask, Python, Javascript, HTML, and CSSBuilding a sentiment analysis and data visualization

SKILLS & COMPETENCIES

Languages: C++, Python, Java, JavaScript, HTML, CSS
Tools: React, Git, Visual Studio, Android Studio, Flask, Tableau, PowerBI
Technologies & Concepts: REST APIs, Data Visualization, CI/CD Pipelines, Test-Driven Development, Statistical Analysis
Skills: Agile Development, Data-driven Decision Making, Communication, Time Management, Collaboration, Public Speaking, Organization