

EDUCATION

William Rainey Harper College

Associate in Science

August 2023 - May 2026

Coursework: Computer Science Principles, Computer Science I, Computer Science II, Discrete Mathematics, Calculus 3

Northern Illinois University

B.S. in Computer Science

August 2026 - May 2028

Coursework: N/A

EXPERIENCE

Computer Science Tutor

Schaumburg, IL

Private High School Tutor

May 2025 - Present

- Guided high school students in learning the fundamentals of programming through interactive lessons in Python, JavaScript, and web development
- Designed hands-on projects to demonstrate real-world applications of coding concepts
- Improved students' confidence and engagement in STEM by creating a supportive, collaborative learning environment

Harper Society of Engineers

Palatine, IL

Urban Search and Rescue Project: Robotics Engineer

Aug. 2024 - May 2025

- Collaborating with a team to design, build, and program autonomous robots capable of navigating simulated urban environments
- Programming 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

- Collaborating with a team to design and optimize 3D-printed bridge structures for strength, stiffness, and aesthetic appeal, meeting rigorous competition requirements
- Applying computational modeling and simulation tools to design and optimize 3D-printed bridge structures for strength, stiffness, and aesthetics
- Conducting iterative design prototyping using CAD software, improving structural performance through data-driven refinements

PROJECTS

Word Analysis Chrome Extension

- Developed a Chrome extension that dynamically graphs the frequency of words in highlighted text, enabling quick textual insights and trend analysis
- Implemented interactive data visualization using JavaScript, HTML, and CSS to present results in a user-friendly interface
- Utilized Chrome APIs to process user-selected text in real time

Personal Website

- Built a personal portfolio website from scratch using HTML, CSS, and JavaScript
- Designed and implemented responsive UI layouts

Audio File Transcriber

- Created a web application depending on back-end programming that transcribes audio files using Flask, Python, Javascript, HTML, and CSS
- Building 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