

# Manan Shahi

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Work Authorization: Optional Practical Training (OPT)

## Education

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### The College of Wooster, Ohio

2019 – 2023

Bachelor of Arts in Computer Science

May 2023

- GPA: 3.69
- Minors: Statistical and Data Sciences, Economics
- Selective Courses: Data Structures and Algorithms, Theory of Computation, Software Engineering, Computer Graphics, User Interface Design, Applied Statistics and Machine Intelligence

## Skills

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**Software:** Figma, Microsoft Office Suite, Git, Unity, Visual Studio Code, Tableau, Eclipse, RStudio, and CLion

**Programming Languages:** C, C++, C#, CSS, HTML, Java, JavaScript (React), Python, SQL, and R

**Languages:** English, Japanese (Spoken), Nepali

## Projects

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### Independent Study Thesis

Aug 2022 – Apr 2023

- Title: Procedurally Generating a Dungeon for Roguelike Games
- Focus: Creating procedural dungeon generators using breadth-first search and depth-first search and evaluating their performances.
- Tools used: Eclipse IDE (Java), Unity Game Engine (C#) and LaTeX
- Findings: Breadth-first search algorithm generates dungeons that are more enjoyable.

### Ramble

Nov 2022 – Dec 2022

- Coded a prototype social media app using React, HTML, CSS, and Google's Firebase.
- Collaborated with team using Git allowing for efficient development.
- Features: Basic authentication, account creation, post creation, post deletion and profile editing.

## Experience

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### Teaching Assistant (Data Structures and Algorithms), The College of Wooster

Aug 2022 – Dec 2022

- Assisted students in solving problems, utilizing object-oriented programming and abstract data types in C++.
- Fostered the growth of students by helping them with course material, concepts, labs, and assignments.

### Intern (Data Analyst), Schneider Electric

May 2022 – Jul 2022

- Used R on hourly energy data to understand key parameters and then used Python (PyTorch) to create LSTM (long short-term memory) models to forecast hourly energy demand.
- Created informative dashboards using Tableau that provided insight into key variables.
- Submitted a detailed report with our findings to Schneider Electric.

### Intern, Open Learning Exchange Nepal

May 2021 – Aug 2021

- Evaluated the accessibility of websites per WCAG 2.1 guidelines.
- Modified books to make them accessible by adding alt text and headings.
- Adapted textbooks for accessibility by converting them to ePub, and DAISY formats.