

# Dawit Boku

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## EDUCATION

Colby College, Waterville, ME

Expected Graduation May 2026

Bachelor of Arts in Computer Science with a concentration in AI

GPA: 3.74

Minor in Science, Technology, and Society

## SKILLS

**Programming Languages:** Python Java Javascript HTML/CSS

**Frameworks and Tools:** Git/GitHub React Node.js

**Languages:** English Amharic

**Relevant Coursework:** OOP, Data Structures, Algorithms, Linear Algebra, Hands-on Intro to AI with NLP, Multivariable Calculus, Introduction to Computational Thinking

## PROJECTS

**Pathfinding Visualizer** | Javascript, React, Java

[GitHub](#) | June 2023 – July 2023

- Developed an interactive **web-based** application in **4 weeks** that allows users to visualize various pathfinding algorithms such as Dijkstra's, A\* Search, etc navigate through mazes.
- Designed the front end using **React**
- Gained expertise in **data structures** and **algorithms** while solving complex pathfinding problems.
- Implemented different **maze generation** algorithms.
- Acquired **foundational proficiency** in React and JavaScript syntax in a short timeframe through diligent **self-teaching** driven by project needs.

**To-Do List** | HTML, CSS, Javascript

[GitHub](#) | July 2023

- Developed an interactive **web-based** application in **2 weeks** that allows users to add, store, and manage different tasks.
- Learned the fundamentals of **HTML, CSS, Javascript**, and **frontend development** while working on this project.
- Enabled users to retrieve tasks even when the browser gets refreshed by implementing a **local browser** storage system without the need for a backend system.

**School Projects:** NLP analysis and Hurricane Name Identification from Tweets | Sudoku Solver | Pursuit Evasion on Graphs.

## WORK EXPERIENCE

**ITS Support Center Student Technician**, Colby College, Waterville, ME

Oct 2022 – Feb 2023

- Provided exceptional **technical support** and customer service to students, faculty, and visitors at Colby College's ITS Support Center, addressing both **hardware** and **software** related concerns.
- Demonstrated strong problem-solving skills by efficiently diagnosing and resolving various technical issues, resulting in **increased user satisfaction**.

**Main Instructor, Co-founder; BuildWithPy**, Addis Ababa, ET

Mar 2021 – Sep 2021

- Taught weekly online **Python lessons** for Saint Joseph High School students.
- Worked with my colleague and a school instructor to **develop** and **organize curriculum materials**.
- Managed a vibrant community of over **40 active members**, fostering a supportive and inclusive learning environment.
- Focused on **continuously improving** our services using feedback from our students and school teachers.



