

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: Data Structures, Algorithms, Linear Algebra, Object Oriented Programming, 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.
- Developed **reusable components** for efficient front-end architecture.
- Gained expertise in **data structures** and **algorithms** while solving complex pathfinding problems.
- Acquired **foundational proficiency** in React and JavaScript syntax in a short timeframe through diligent **self-teaching** driven by project needs.
- Frequently **revisiting** and **optimizing** the codebase as I learn more about React best practices.

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.
- Collaborated 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 a lot on **continuously improving** our services using feedback from our students and school teachers.