# 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 VS Code Visual Studio

**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

## 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, successfully resolving more than 150 calls and cases, resulting in a **20% increase in user satisfaction.**

**Main Instructor, Co-founder; BuildWithPy,** *Addis Ababa, ET* Mar 2021 - Sep 2021

- Taught engaging weekly online **Python lessons** for Saint Joseph High School students.
- Collaborated with my colleague and a school instructor to **develop** and **organize curriculum materials.**
- Continuously improved our **services** and **product quality** through user feedback from students and school teachers.
- Grew the community from **5 initial users** to over **40 active members** by promoting a supportive and inclusive learning environment.

## 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, and more navigate through mazes.
- 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.
- Reduced code redundancy by **30%** through systematic refactoring of reusable components, enhancing the maintainability of the application.

**To-Do List** | *HTML, CSS, Javascript* GitHub | July 2023

- Developed an interactive **web-based** application that allows users to add, store, and manage different tasks.
- Acquired proficiency in HTML, CSS, Javascript, and frontend development within the **2-week** project timeline, showcasing rapid skill development and **self-learning** capabilities.
- Implemented a local browser storage system that enabled users to access their tasks even after refreshing the browser.

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