

Ali Bichanga

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EDUCATION

Wellesley College

Candidate for Bachelor of Arts in Computer Science, Minor in Psychology

Wellesley, MA

May 2025

Relevant Coursework: Data Structures and Algorithms, Computer Systems, Mobile App Development

EXPERIENCE

Livestock Wealth

Software Engineering Intern

Johannesburg, South Africa

June 2024 – Present

- Developed essential functionality for the Crowdfarming platform using React.js and Node.js, contributing to a 20% increase in user engagement.
- Collaborated with cross-functional teams including product management and UI/UX design to translate business requirements into technical solutions.
- Provided Essential Tech Support to facilitate business function resulting in a 10% increase in efficiency
- Conducted code reviews and implemented best practices to maintain code quality and ensure scalability.

Knapp Media and Technology Center

Production Consultant

Wellesley College, MA

October 2022 – Present

- Lead workshops on 3D printing, Arduino, Sewing and Embroidery for 100+ participants.
- Independently learned Adobe Suite and led 4 interactive workshops for 20+ people.
- Collaborate with other consultants to create dozens of posters and guides to educate patrons.
- Assemble, maintain, and increase efficiency of 3D printers and sewing machines by 30%.

Wellesley College Science Center

Research Assistant for Introduction to Data Structures Course

Wellesley College, MA

June 2023 – July 2023

- Designed 4 new student projects utilizing Priority Queues, Graphs and Graph traversal algorithms.
- Reviewed 10 open-source datasets to update course material with recent trends in data.

MIT App Inventor Research

Research Assistant

Boston, MA

August 2022 – May 2023

- Collaborated with a team of 7 to create a catalog of 50+ common bugs in App Inventor programs.
- Trained a machine learning model to automatically log bugs across 22 million App Inventor projects.
- Strengthened program reading, writing, and debugging skills, learned about applications of program analysis to educational computing, and was introduced to the basics of machine learning.

LEADERSHIP

Gordon Engineering Leadership Program (MIT)

GEL 1 Fellow

Boston, MA

September 2023 – Present

- One of 30 students selected for an MIT leadership development program to develop the values, attitudes, and skills to be effective technical leaders of industry engineering teams.
- Cultivating and applying leadership, teamwork, and communication skills in an engineering context.

Wellesley African Students Association

President

Boston, MA

September 2023 – Present

- Spearheaded a fundraiser where we raised \$3000+ for our annual cultural show, Mamaland.
- Coordinating African student leaders to organize Mamaland 2023 for a capacity of 600+ guests.
- Organizing activities for each meeting to build cooperation and boost engagement by 70%.

SKILLS

Computer: Python, Java, Javascript, React, Nodejs, C, Arduino, Adobe Suite, Microsoft Office Suite

Languages: English, Swahili (*fluent*); Spanish (*beginner*)

Interests: Hiking, Chess, Biking