

PATRICK KAMBA

Portfolio Website: <https://pat0kamba.github.io/myPortfolio/>
8th Street | Brookings, SD 57006 | patrick.kamba@jacks.sdstate.edu

EDUCATION

South Dakota State University – Brookings

Bachelor of Science in Computer Science
Fall 2022 – present.
Graduation: May 2025.

University of Minnesota - Twin Cities

Bachelor of Science in Mechanical Engineering.
September 2019 – January 2021.

TECHNICAL SKILLS

- Programming Language: Python, C++.
- Front-end: HTML, CSS, JavaScript, React.
- State Management: Redux.
- Back-end: Node JS, RESTful APIs.
- Database: MongoDB.
- Authentication: JWT.
- Version Control System: Git, GitLab.
- Fluent in Three languages: English, French and Swahili.

PROJECTS

- **E-commerce website Clone: Mango Store**

This project is a responsive full stack react application intended to clone the design and features of the Mango website (E-commerce website).

- Managed different cross-components states changes with the help of Redux toolkit.
- Created a dynamic single page application with routes to nested pages using React Router Dom.
- Architected a backend api in NodeJS and implemented a secure data exchange system with JWT.
- Safely stored and retrieved users' data in the MongoDB database upon requests; done with mongoose.

- **Countries of the World Website**

This project is a React Application built to display some known factual information about countries in the world.

- Fetched Data from an external api (the rest countries Api) using the Axios library.
- Implemented React Hooks such as useState, useEffect to manage state changes and deal with side effects.
- Created an easy navigation system between different web pages using React Router Dom.

WORK EXPERIENCE

South Dakota State University, Brookings, SD

August 2022 – April 2023

Division of Information Technology and Security

Student Programmer

- Worked in team with supervisors to create, update forms and documentation based on different University's departments demands, using formSite and JavaScript.
- Completed a wide range of web development projects using C# and .Net.
- Used MySQL to send and retrieve data to / from the University's Database.

Parkland college, Champaign, IL

June 2018 – May 2019

Academic Resources **Peer Tutor**

- Conducted group and one on one tutoring sessions to community college students in science subjects such as Math, physics and chemistry all level for three semesters.
- Developed meaningful and long-lasting relationship with students and coworkers.
- Participated in a training class to improve tutoring abilities and learn workplace valuable skills such as communication and teaching.

INVOLVEMENT

- UMN Cross-Cultural Discussion Group: Member
 - International Undergraduate Student Ministry (IUSM): Member
 - FSAE Gopher Motorsports: Member
- January 2020 – May 2022
April 2021 – May 2022
September 2020 – May 2021