PATRICK KAMBA

Portfolio Website: https://pat0kamba.github.io/myPortfolio/
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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

- Experience working with Python, C++.
- Experience with HTML, CSS.
- Front-end: JavaScript, ReactJS, MaterialUI.
- Back-end: Node JS, RESTful APIs.
- State Management: Redux.
- Database: MongoDB.
- Authentication: Passport JS, JWT, Bcrypt.
- 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 Mango website (E-commerce website)
  - Used Redux toolkit and React-redux for state management.
  - Used React Router Dom to create a dynamic single page application with nested routes.
  - Used NodeJS and ExpressJS to create a backend Api and implement JWT authentication.
  - Used Mongoose to connect, send and retrieve data to/from the MongoDB database after the user logs in.

- **Countries of the World Website**

This is a React Application that displays every country's profile with details such as the country's flag, the capital, local currency, local language and more.
  - Fetched Data from an external Api (the rest countries Api).
  - Used Redux toolkit to manage multiple states through different React Components.
  - Implemented React Hooks such as useState, useRef, useEffect.
  - React Router Dom to help navigate through different pages

WORK EXPERIENCE

South Dakota State University, Brookings, SD   **August 2022 – April 2023**
Division of Information Technology and Security
Student Programmer

- Work in team with supervisors to create, update forms and documentation based on different University's departments demands, using formSite and JavaScript.
- Complete a wide range of web development projects using C# and .Net.
- Use 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 skills such as communication skill and teaching skill.

INVOLVEMENT

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