

KOBE CHAMBA

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EDUCATION

Bachelor of Computer Science, Northwestern University

Expected June 2024

Relevant Coursework: Algorithms, Data Structures, Computer Engineering, Machine Learning (ML), Database Management, Cyber security, Web Development, and Operating Systems.

EXPERIENCE

Software Engineer Intern

Jun 2023 - Aug 2023

Publicis Sapient

Chicago, IL

- Engineered key features for banking application including data visualization, UI, and AI insights.
- Employed a versatile tech stack comprising React, JavaScript, NextJS, MongoDB, and RESTful API
- Showcased the Minimum Viable Product (MVP) to stakeholders, compelling them to endorse the concept and commit to further development efforts.

Software Build and Release Engineer Intern

Apr 2023 - Jun 2023

S&C Electric Company

Chicago, IL

- Developed and maintained the build and release processes for software products, such as [IntelliCap](#), in Windows and Linux environments.
- Developed software builds for new server environments using Jenkins multipipe and Artifactory.
- Conducted software testing and authored documentation for software deployment on new servers.

Software Build and Release Engineer Intern

Jun 2022 - Sep 2022

S&C Electric Company

Chicago, IL

- Developed battery charger GUI application for Windows using Docker, Jenkins, and an existing build on Linux.
- Gained experience with Linux operating systems, system development, BASH scripting, and complexity analysis

ENGINEERING PROJECT EXPERIENCE

Northwestern Baja

- Integrated sensors to collect and monitor vehicle parameters, such as acceleration, max speed, and brake pressure. Used information to make improvements in our 2023 car, improving our placement from 35th to 6th.
- Designed brake components with SolidWorks, utilized milling and water jet cutting machines for fabrication.

Engineers for a Sustainable World

- Developed interactive displays to visualize data collected from sensors and provided remote control of the aquaponics system. Saved team daily trips to adjust water pump, lights, and monitor pH levels.
- Designed the web application from scratch using React.js, MaterialUI, and Recharts. Utilized Firebase and Firestore for the backend. Access the website [here](#).

Northwestern University Space Technology and Rocketry Society

- Built model rocket for Level 1 certification in High Power Rocketry, installed acceleration sensor and an altimeter, showcasing C++ proficiency

SKILLS

Proficient in

Full Stack Development

Build and Release Automation

C++, Python, Pytorch, TensorFlow, MATLAB, Assembly, Bash, Java
HTML, CSS, JavaScript, React, SQL, MongoDB, Node.js, Agile Environment
Jenkins, Docker, Git version control