

Jacob Roseboro

Full Stack Developer

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Education

12/2021 **Bachelor of Science, Computer Science,** *Western Governors University*

Professional Experience

- 08/2021 – present **Full Stack Developer,** *OxeFit*
- Engineer secure REST APIs utilizing the .NET5 Framework.
 - Develop captivating user interfaces with TypeScript, Angular, React, and React Native.
 - Maintain automated unit and integration tests with xunit, Postman, Cypress, and Angular Testing Library.
- 06/2021 – 08/2021 **Web Manager,** *Footbridge Media*
- Oversaw maintenance of 100+ customer sites, performing monthly site inspections for improved SEO.
 - Revamped sites utilizing HTML, SCSS, PHP, JavaScript, and MySQL.
 - Executed online marketing strategies for success

Projects

- 2022 **Machine Learning Heart Disease Diagnosis,**
Python, Flask, Heroku, PostgreSQL, SKLearn, Pandas, TypeScript, React, ChartJS 📄
- Engineered a Flask API that took an input of 11 variables related to user health and implemented machine learning to predict the probability of user heart disease
 - Developed a front-end in TypeScript and React that allowed a user to take a quiz that would utilize the Flask API to display the probability of heart disease and offer helpful tips to manage it.
 - Visualize heart disease statistics using ChartJS
- 2021 **WGUPS,** *Python*
- Showcased data structures and algorithms skills,
 - Implemented a variation of the nearest neighbor algorithm to find the nearest location for a delivery truck to deliver its next package.
- 2021 **Appointment Manager,** *Java, JavaFX, MySql*
- Designed a GUI that allows users to manipulate MySQL database data.
 - Implemented the ability for users to add/modify/delete customers and appointments, create reports, and view a calendar of appointments.

Skills

TypeScript | JavaScript | C# | Python | Java | React | Angular | .NET5 | Flask | Git | MongoDB
MySQL | PostgreSQL