308 Shyre Lake Lane
McDonough, Georgia 30253

Nazir Louis

NazirLouis38@gmail.com|

1-646-596-6598 |

GitHub: github.com/Nlouis38 |

Project Portfolio:
NazirLouis.com

OBJECTIVE: To obtain a position that will enable me to use my strong problem-solving skills, educational background, and ability to work well with people.

EDUCATION:

Bachelor of Science in Mechanical Engineering, *Georgia Southern University, Statesboro, GA, July 2021*

SKILLS:

Certifications: Javascript, React.js

Programing Languages: JavaScript, CSS, HTML, Python, C++

Computer Application & Libraries: React.js, Redux, Node.js, Flexbox, Material UI, Styled Components, CSS Grid, Git version control, Machine Learning

WORK EXPERIENCE:

The Home Depot | Lead Test Engineer
July 2021 – Present

- Used C++ in multiple different applications in order to automate robotics and mechatronics to complete life cycle tasks for product testing.
- Used Python paired with machine learning and computer vision libraries in order to create a dimensional analysis station which was able to automatically measure multiple objects at a time.
- Saved Home Depot over $750,000 and counting in testing in over 40 projects.
- Managed multiple projects at a time and was able to successfully delegate tasks and projects to engineers in order to stay on pace and exceed yearly savings goals.

The Home Depot | Test Engineering Technician
July 2021 – September 2021

- Designed and programmed multiple custom test fixtures to autonomously check the quality of given products which cut the time needed to complete the life cycle test by 70%.
- Worked with teams of Product and Test Engineers to review products and create testing procedures according to ASME standard.
- Professional work experience in analyzing and testing computer hardware and software.
- Tested products per ASTM/ASME/ISO standards to ensure they meet the metrics of manufacturer when performing cycle testing with environmental chambers, salt fog chambers, UTM's, integrated spheres.

Georgia Southern University | Programming Team Lead
May 2021 – July 2021

- Successfully led a team of programmers and engineers to complete a goal on an accelerated timeline.
- Created a detailed plan on taking an initial concept through the engineering design process.
- Developed program in C++ that allows any image uploaded to be replicated by waterfall image.
- Practiced good programming practices in order for future undergrad students to be able to refer to the code to create their own projects or to improve the current one.

Broadway Builder |Autocad Designer
December 2018 – January 2020

- Maintained and Updated company website using HTML, CSS and Javascript
- Created complex floor plans on multiple large scale projects using AutoCAD.
- Used high powered machinery to help with daily tasks.
- Arranged and stored materials, machines, tools, and equipment.

308 Shyre Lake Lane
McDonough, Georgia 30253

RESEARCH & PROJECTS:

Tesla Clone
- Used React in order to create a visual clone of the tesla website.
- Used tools such as keyframes, styled components and material ui in order to style the design of the website.
- Used react hooks to change and control different states of the application .

Georgia Southern University | Student Team Lead
August 2020 – December 2020
- Led team of student engineers through a successful project.
- Created 3 different milestones to set goals and deadlines for the team to follow.
- Created a program in Python that allowed object detection and avoidance using the front camera.

Georgia Southern University | Student Team Lead
January 2021 – May 2021
- Worked with molten aluminum to create metal castings.
- Designed molds using Solidworks and took account for gating ratio and riser placement.
- Used high powered equipment for post procession including but not limited to milling machine, lathes, power saws etc.