

Loc Nguyen

linkedin.com/in/loc-nguyen-441472202
github.com/beastboy241
locnguyen-portfolio.herokuapp.com

210-773-7110
nleo06265@gmail.com
7343 Rubens, San Antonio, TX 78239

Recent graduate of ABET-accredited BSME program mechanical engineering position and pursuing for Computer Science degree. Currently seeking an entry-level/full-time/part-time/internship position in Software Engineering. Apply and contribute self-driven engineering knowledge to fulfill company's objectives in their engineering development. Results oriented in working collaboratively with team members to achieve goals.

SUMMARY OF QUALIFICATION

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| • Project Management | • Data Analytical Skills | • ANSYS Mechanical |
| • Coordinate resources and Manufacturing maintenance | • Programming | • SolidWorks |

EXPERIENCE

Spring 2020 – Winter 2020: Suspension Design CO-OP • Finance/Test engineer • SPL Parts

- Cooperated with SPL Parts, one of the leaders in design & manufacturing an aftermarket suspension component to develop a Lower Control Arm which capable for track car.
- Using finance management and cost of ownership concepts to coordinate and provide efficient direction to the team project, which are tasked with testing procedures, project reports, and development cost.
- Applying Finite Element Analysis (FEA), and 3D printed materials to develop and ensure all dimensions are exact measurements by using Microsoft Project, Excel, ANSYS, and SolidWorks.

September 2017 – Winter 2017: Recipe keeper • Software Engineer • Java programming

- Designed and developed a tool with a team to manage and organize food recipes. The interface allows to enter and adjust favorite recipes, including ingredients, instructions, and compare multiple recipes. Users can also perform searches by names, categories, or ingredients.
- Key tools used: Java, JavaFX, HTML, Excel, CSS
- Key Accomplishments: Developing design skills with CSS and JavaFX, as well as how to import data to a spreadsheet.

June 2021 – Current: Portfolio Website • Web Development

- Self-taught to create a modern and simple resume website. The website can help viewers to identify the candidate's values and strengths with friendly interface section, as well as an email function to contact.
- Key tools used: HTML, CSS, JavaScript, HerokuApp, and PHP.
- Key Accomplishments: Ability to self-taught new technologies and maintaining the project.

EDUCATION

University of Texas at San Antonio

Graduating 12/2022

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- Pursuing second bachelor's degree in computer science with concentration of Software Engineering.
 - B.S.E in Mechanical Engineering (ME) in Fall 2020. In-major GPA: 3.28
 - Undergraduate Coursework:
 - **M.E:** Fluids Mechanics, Manufacturing Engineering, Dynamic Systems and Control, Heat Transfer, Mechatronics, Finite Element Analysis, and Internal Combustion Engines.
 - **C.S:** Data Structures, Systems Programming, Application Programming, Google Data Analytics.

LANGUAGES AND TECHNOLOGIES

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- C; Java; Python; Unix system languages (Perl & Bash); Web development
 - Visual Studio; Eclipse; SolidWorks; MATLAB; ANSYS; MS Project; English and Vietnamese

REFERENCES

Keith Axler, Ph.D.
keith.axler@utsa.edu (210) 458-6431

Turner Dobbins – SPL Engineer
tech@splparts.com (512) 691-9002