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HEY THERE!

Discover my work and projects

I have a deep passion for engineering, web development, coding, and art. The thrill of solving complex problems and creating innovative solutions drives me every day, whether it's engineering a new system, designing a sleek website, or writing lines of code to bring an idea to life. Alongside this technical focus, my love for art adds a creative dimension to my work, allowing me to blend technical precision with artistic expression. Each challenge is an opportunity to learn and grow, and the ability to turn abstract concepts into tangible, functional, and visually compelling results keeps me engaged and excited about my pursuits.

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WHO IS LONGA

While I take pride in my professional/academic accomplishments and skills, I believe that who I am extends far beyond what I do for a living. My core values —integrity, empathy, and continuous learning—are the foundation of my life. Outside of my career, I cherish spending time with family and friends, exploring new cultures through travel, and nurturing my passions for art, music and technology. Whether I’m relaxing in nature or experimenting with digital design, I find joy and inspiration in life’s endless opportunities for creativity and growth. This holistic approach to life helps me stay balanced, fulfilled, and connected to the world around me.

<> index.html > ...

You, 11 hours ago | 2 authors (You and one other)

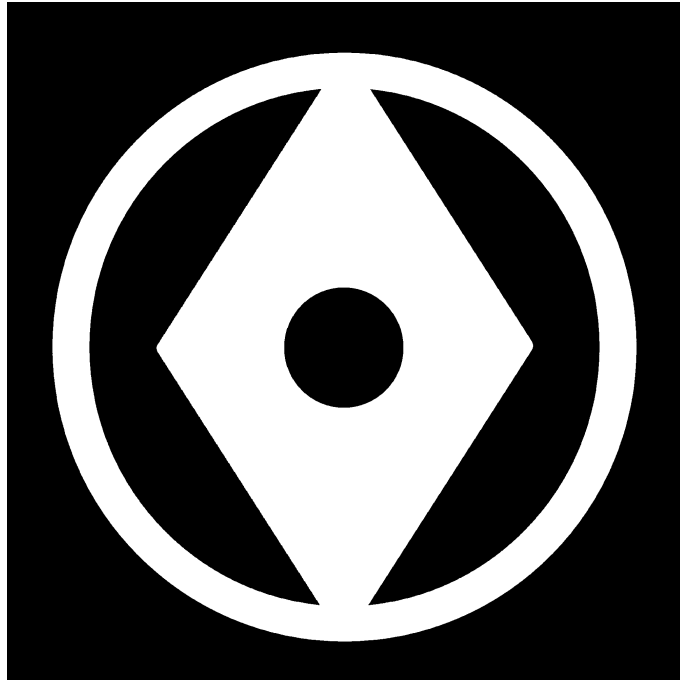
NANO-ARTRICAN, 2 months ago • Initial Commit

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6   <title>My Portfolio</title>
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8   <link rel="stylesheet" href="hero.css">
9   <link rel="stylesheet" href="header.css">
10  <link rel="stylesheet" href="portfolio.css">
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12  <link rel="stylesheet" href="contact.css">
13  <link rel="stylesheet" href="about.css">
14 </head>
15 <body>
16   <div id="loading-screen">
17     <div id="loading-text">LONGA MAIMBO</div>
18   </div>
19
20   <header>
21     <div class="logo">LONGA MAIMBO</div>
22     <nav>
```

LONGA THE CODER

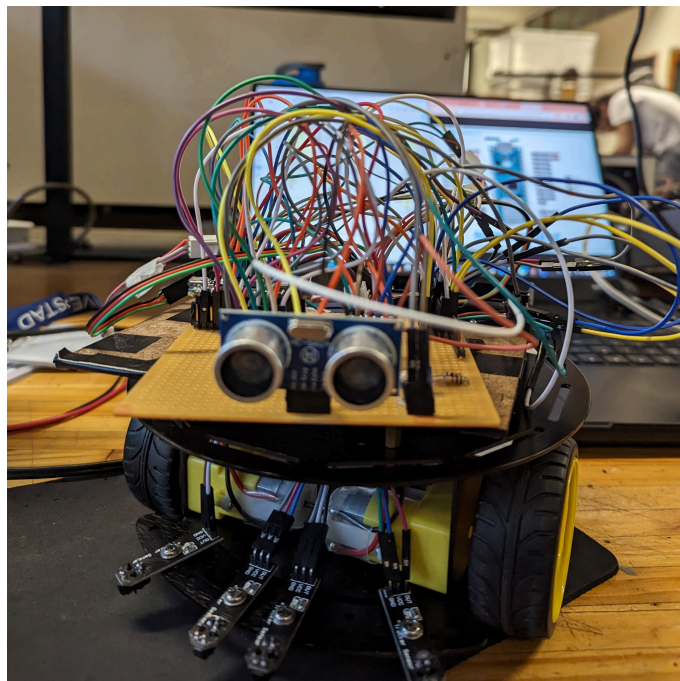
Web development and coding are my favorite forms of expression, where creativity meets technology. Through coding, I can create dynamic websites and applications that not only solve real-world problems but also embody my artistic vision. Each line of code is like a brushstroke on a digital canvas, bringing to life interactive elements and captivating designs. Web development allows me to build engaging user experiences and share my passion with a broader audience. Whether it's crafting the perfect layout or coding a complex feature, the process fuels my imagination, turning ideas into reality.

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Artrican Project

Our innovative AR t-shirt business merges fashion with cutting-edge technology, bringing a unique interactive experience to apparel. Each t-shirt features a distinctive design that comes to life through augmented reality when viewed through our custom app. By simply pointing a smartphone at the t-shirt, customers can witness a stunning array of animations, 3D effects, and digital content that enhances their personal style and engagement with the brand. This fusion of art and technology not only transforms the way people interact with fashion but also allows them to express themselves in dynamic and personalized ways. With our AR t-shirts, fashion becomes an immersive, social, and shareable experience that resonates with tech-savvy consumers looking for a unique way to stand out.



Line Following Robot

The project aimed to develop a robot capable of navigating a maze, detecting objects, measuring their distance from lines, and returning to the closest object near a detect line. My role involved designing the control system and localization using MATLAB. Responsibilities included: Control System Design: Developing algorithms for accurate line-following. Object Detection: Implementing methods to measure object distance from detect lines. Localization: Creating a system for tracking the robot's position and returning to the closest object. Integration and Testing: Ensuring the cohesive operation of all components.



Prosthetics Assembly

Working in a prosthetics clinic, assembling limbs and crafting sockets has been a profoundly rewarding experience for me. Each day, I dive into the meticulous process of customizing prosthetic limbs to meet the unique needs of each patient. It starts with taking precise measurements and creating custom molds for sockets to ensure a perfect, comfortable fit. Then, I assemble the limb components, integrating advanced materials and technology to ensure both functionality and durability. What I find most fulfilling is the chance to connect with patients personally—seeing them regain mobility and confidence in their daily lives is incredibly gratifying. This work is a unique blend of technical skill and compassionate care, and it's a privilege to make such a meaningful impact on people's lives.

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<https://artrican-2099.github.io>

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