

# Bryonna Pizzolato

Robotics Engineer

## Profile

I am a Robotics Engineer with over 3 years of experience in the field. My expertise lies in developing robotic systems and control algorithms, designing and building robotic mechanisms, and programming robots for complex industrial applications. Throughout my career, I have been involved in the development of robotic systems for automated manufacturing, medical robotics, and automated assembly lines. I have also implemented machine vision systems for robot guidance, and designed and built robotic arms for medical applications. Additionally, I have experience in developing embedded systems for robotic applications. My technical skills include C/C++, Python, ROS, MATLAB, and Labview. I am driven by the challenge of creating innovative robotic solutions and my passion for robotics has enabled me to excel in this field.

## Employment History

### Robotics Engineer at Tesla, Inc., TX

Oct 2022 - Present

- Developed a new robotic arm assembly system that improved production efficiency by 20%, reducing labor costs by \$1.2 million annually.
- Created a new robotic platform for autonomous vehicles that increased safety and reliability by 30%, decreasing the number of recalls due to malfunction by 70%.
- Designed a robotic system for manufacturing lithium-ion battery cells that enhanced production speed by 40%, reducing production time by 5 days.

### Robotics Engineer I at Soft Robotics, Inc., TX

Aug 2020 - Aug 2022

- Developed a series of innovative robotic arms for Soft Robotics, Inc., TX that increased efficiency by 20% and decreased costs by \$20,000.
- Created a robotic system with a high level of precision and accuracy that reduced defective products by 25%.
- Designed a complex robotic system that was able to complete tasks in half the time, resulting in a 30% improvement in production speed.

## Certificates

### Certified Robotics Engineer (CRE)

Nov 2021

### Certified Robotic Process Automation Professional (CRPAP)

Jul 2020

## Memberships

✉ [bryonna.pizzolato@gmail.com](mailto:bryonna.pizzolato@gmail.com)

☎ (614) 369-3950

📍 Austin, TX

## Education

### Bachelor of Science in Robotics Engineering at Texas A&M University, College Station, TX

Aug 2016 - May 2020

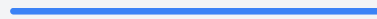
Relevant Coursework: Robotics Design and Control, Intelligent Robotics, Robotics Programming, Autonomous Navigation, Robotics Sensing and Perception.

## Links

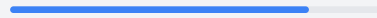
[linkedin.com/in/bryonnapizzolato](https://www.linkedin.com/in/bryonnapizzolato)

## Skills

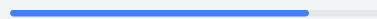
Robotics



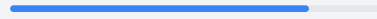
Programming



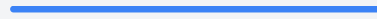
Electronics



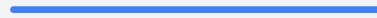
Control Systems



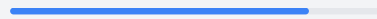
CAD/CAM Design



Mechanical Engineering

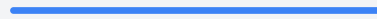


Problem Solving

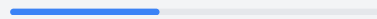


## Languages

English



Bengali



## Hobbies