

Phillip Morais Castro

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Profile

Motivated Mechanical Engineering student at MassBay Community College with strong hands-on experience in CAD (SolidWorks), 3D printing, and prototyping. Founder of RSCleaning, an auto detailing business built from the ground up while balancing full-time work and engineering coursework. Proven ability to lead design projects, such as a Raspberry Pi-based laptop and aircraft valve cover reverse-engineering. Passionate about sustainable innovation, automation, and real-world problem-solving through engineering. Eager to contribute to forward-thinking teams and grow within the product design, energy, or automotive industries.

Work Experience

Founder / Auto Detailing Specialist at RSCleaning - Boston, Ma (June 2024 - Present)

- Built a profitable auto detailing business from the ground up while attending college full-time.
- Designed all branding, pricing strategy, and marketing materials to attract and retain clients.
- Delivered high-quality detailing services with a focus on efficiency, customer satisfaction, and care for high-end vehicles.
- Handled scheduling, customer communications, and operational logistics independently.

Security Guard at Dassault Systèmes/Securitas - Waltham, MA (May 2024 - Present)

- Maintain security protocols at a global engineering and design software firm, ensuring safety for employees and assets. Conducted thorough patrols of nearly 200 areas across two office buildings twice per shift, ensuring safety and security.
- Assist front desk operations and support employees with visitor management and building access.
- Engage with engineering staff and FabLab members, building relationships and sharing project ideas.
- Used spare time to initiate hands-on engineering projects, completing homework assignments and CAD design.

Server at Bertucci's - Newton, Ma (Oct 2023 - Dec 2023)

- Took food and drink orders while maintaining a clean and efficient dining space.
- Provided friendly service in a fast-paced environment.
- Handled customer payments and resolved dining concerns promptly.

Delivery Driver at DoorDash/Uber Eats - Boston, Ma (May 2023 - Oct 2023)

- Delivered meals and packages quickly and efficiently.
- Maintained consistent communication with customers to ensure accurate and timely delivery.
- Managed routes independently to meet time and quality standards.

Retail Stock Clerk at Stop & Shop - Watertown, Ma (Oct 2022 - May 2023)

- Stocked shelves, organized displays, and assisted customers with product location.
- Maintained store cleanliness and supported loss prevention efforts.
- Supported checkout processes during peak hours.

Education

- A.S. in Mechanical Engineering (in progress)
- Relevant Coursework: Engineering Design, SolidWorks, Physics, Calculus I,II
- STEM Expo Presenter – Raspberry Pi Laptop Project (Spring 2025)
- Pursuing CSWP certification and sustainability-focused engineering projects

Skills

- SolidWorks (3D Modeling & Simulation)
- 3D Printing
- Time Management & Prioritization
- CAD Drawing & Reverse Engineering
- Product Prototyping & Design Thinking
- Technical Troubleshooting (Hardware & software)
- Adaptability & Self-Learning
- Creative Problem-Solving