

Ashhad Adil Mohammed

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Highlights of Qualifications

- 4th Year Sustainable Design Engineer specializing in Renewable energy, skilled in designing, building, and troubleshooting/maintenance of technical errors with high attention to detail.
- Highly proficient in: Matlab, Solid works, Arduino, 3D Printing, Microsoft project/project management software.
- Possess a very good background and hands-on experience with electronic systems.
- 3+ years of experience in digital marketing and project management.
- Demonstrated ability to lead cross-functional teams, fostering a positive and productive work environment.

Education:

Bachelor of Science

January 2021 – Apr 2025

University of Prince Edward Island, Charlottetown, PE

- Major in Sustainable Design Engineering
- Specialization in Renewable Energy

Design Projects Experience:

Design Project Year 4: Sticker Applicator Device

Sep 2023 – Apr 2024

PEI Potato Board

- Applying advanced proficiency in design software and relevant technologies to create a functional and innovative sticker applicator solution.
- Collaborating with team members, effectively communicating design concepts and coordinating efforts to ensure the successful and timely delivery of the sticker applicator project.
- Closely working with pneumatic air cylinders, valves and pressure gauges.
- Employed creative problem-solving to overcome design challenges, contributing to the development of efficient and user-friendly sticker application mechanisms.
- Refining the sticker applicator through usability studies and feedback sessions, resulting in an intuitive and user-friendly product.

Design Project Year 3: Drumstick Assist for User with Rare Disease (HIBC-H) Jennifer Neill, Occupational Therapist.

Sep 2022 – April 2023

- Conducted in-depth user research, collaborating closely with the end-user to understand specific challenges and requirements.
- Designed and prototyped the drumstick assist, incorporating Servo Motors, Arduino Uno, and Machining to ensure optimal functionality and user comfort.
- Utilized Solid works to create detailed designs and schematics, ensuring precision in the manufacturing process.
- Worked closely with UPEI technicians and family of users to ensure the device met both engineering standards and user needs.
- Conducted rigorous testing and iteration phases to refine the design based on user feedback and usability testing.

Design Project Year 2: Community project

Sep 2021 – Apr 2022

- Designed and constructed a Pantry Fridge behind Value Village, pioneering a solution to ensure consistent access to fresh food and utilities for the community.
- Demonstrated a keen attention to detail throughout the design phase, conducting rigorous testing and analysis to guarantee the durability, usability, and overall excellence of the final product.
- Collaborated with cross-functional teams to gather feedback and iteratively refine the design, incorporating insights from stakeholders to create a solution that seamlessly integrates with the surrounding environment.

Job Experience:

Crew Lead, Island Brush Master

April 2023 – Dec 2023

Charlottetown, PE

- Proficient in Customer Management and Conflict Resolution, specializing in handling dissatisfied customers
- Extensive experience working on multiple 5-figure projects, showcasing financial competence and project management skills
- Demonstrated leadership abilities by effectively managing and leading a team of 2- 4 individuals, fostering collaboration and productivity.
- Proven track record in managing diverse client portfolios, both online and in-person, underscored by exceptional communication skills and relationship-building.

Accomplishments and Awards:

- 1st Year Design: Innovative Project Award (Community project). – 100\$
- 2nd Year Design: FSDE Design Expo Sustainability and Design Award – 100\$
- 3rd Year Design (Jennifer Neill): Manufacturing and Testing Award FSDE – 100\$

