

RENAN SPILKA MIRANDA

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SUMMARY OF SKILLS & QUALIFICATIONS

- Web Development: HTML, CSS, Javascript, Github, Bootstrap, Web APIs, Third-Party APIs, Server-Side APIs, Object-Oriented Programming (OOP), Express.js, SQL, NoSQL, React, MERN, Object-Relational Mapping (ORM), Model-View-Controller (MVC), Node.js.
- Engineering: Proficient technical skills in SolidWorks, AutoCad, Inventor, Power Mill, Pro Engineering, Coordinate Measuring Machine, Robotics, SAP, GOM (Optical Measurement Techniques), Microsoft Office, Microsoft Visio and Microsoft Project, Lean Manufacturing and Continuous Improvement, Lean Six Sigma and Statistical Process Control.
- I am fluent in English, Portuguese, and Spanish.
- Enthusiastic, self-motivated, eager to learn.

PROJECTS

Blood Tale - A Murder Mystery | https://github.com/renansm93/BloodTale_AMurderMystery |

https://rethissunstar.github.io/BloodTale_AMurderMystery/

- Summary: The point of the game is that a Serial killer is coming after you and you will have to find out who he is based on the clues he provides. Each day will present you with a new clue and a new puzzle then by the last day you are tasked with inputting the killer's name into a prompt to survive or you die.
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Bootstrap, GoogleFonts, Photoshop.

EMPLOYMENT HISTORY

Mechanical Engineer/Estimator

Nov 2019-Present

Paul Boers Manufacturing, Vineland Station, Ontario, Canada

- Prepare project calculations, quotations, engineered drawings with the help of Inventor and Autocad;
- Lead design improvements with deadlines;
- Design tools and fixtures as well as programming Yaskawa Robot (Welding);
- Liaise with sales, production, management, purchasing on new outstanding quotations;
- Maintain and create BOM in CRM System (Macola);
- Follow up with sales on outstanding quotations in the analysis
- Participate in the analysis and problem solving of production and quality concerns;

Mechanical Engineer Technologist

Sep 2018 – Oct 2019

C.R Plastics Products Inc, Stratford, Ontario, Canada

- Design molds, tools, dies, jigs and fixtures for use in manufacturing processes with the help of Solidworks and Autocad;
- Performing mechanical tests and analysis of machines and components;
- Improvement of the production process, through the standardization of molds and parts used in the production line;
- Negotiation with suppliers for the manufacture and acquisition of molds and parts for use in the production process;
- Organization of processes for improving quality control.
- Ensuring that all assembly processes operate within lean manufacturing principles (Value Stream Mapping, 5S, Kanban and poka-yoke);

General Production Team Member (Part Time)

Jun 2018 – Aug 2018

C.R Plastics Products Inc, Stratford, Ontario, Canada

- Fastens parts together with screws using power tools and hand tools;
- Runs any assigned machine ex. CNC, Extruder etc;
- Documents actions by completing production and quality logs;
- 5S and preventative maintenance as required.

Process Technician (Tooling, Manufacturing) Stihl Power Tools, Ltd. São Leopoldo City, Rio Grande do Sul, Brazil	Nov 2014 - Aug 2016
<ul style="list-style-type: none">• Developed of database to control the indicators of production interruptions, related to the manufacturing process of the molds for foundry parts of engines, focused on reducing production interruptions;• Assisted in the development of the processes of construction and maintenance of tools;• Supported in the creation of technical documentation, related to the process of molds constructions and foundry process;• Opening maintenance orders preventive and corrective of tools via SAP/R3 system.	

Project Designer WIGGA Coatings and Frames, Ltd. São Leopoldo City, Rio Grande do Sul, Brazil	Oct 2013 - Nov 2014
<ul style="list-style-type: none">• Created projects in 3D modeling software (Solidworks) and 2D (Autocad);• Assisted in the development and improvement of projects;• Suggested improvements in projects to meet company standards and developed it accordingly;• Detailed projects in PVC coatings.	

EDUCATION

Full Stack Web Development Certificate University of Toronto, Toronto,ON	Feb 2023 – Aug 2023
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Process Quality Engineering, Post Graduate Certificate Conestoga College, Kitchener, ON	Jan 2018 – Aug 2018
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Bachelor of Science in Mechanical Engineering Vale do Rio dos Sinos University (UNISINOS) São Leopoldo City, Rio Grande do Sul, Brazil	Jan 2010 - Aug 2016
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CERTIFICATIONS

CWB Certified - Robotic Welding Programmer	Aug 2021
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Certification in DX100/DX200 Basic Programming Yaskawa Academy	Dec 2019 – Dec2019.
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Certification Training for Solid Works Essentials Javelin Technologies Inc.	Mar 2019 – Mar 2019
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Certification Training for Mastercam Mill/Router Essentials In-House Solutions Inc.	Nov 2018 - Nov 2018
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Certification in CNC Programming and Operation - Lathe SENAI (National Industrial Learning Service)	Sep 2017 - Oct 2017
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Certification in Solid Works Training, Level 2 SKA Engineering Automation Limited.	Jan 2015 - Feb 2015
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