

CAMILA ALVES MEYER

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GitHub: github.com/Mimila-85 | **Portfolio:** mimila-85.github.io/Portfolio/

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Summary: Mechanical engineer experienced in regulatory compliance and review of safety aspects of piping systems, including hazard identification and mitigation seeking an opportunity as a Full Stack Web Developer or related technical field. Experience in dealing with regulatory authorities, contractors, customers, negotiating, quoting, invoicing and managing projects, including management of contractors for various project implementations.

Key Qualifications

- Languages: JavaScript, HTML5, CSS
- Applications: GitHub
- Tools: Node.js, jQuery, Bootstrap, Materialize

Projects

National Parks (October 2020)

mimila-85.github.io/National-Park | github.com/Mimila-85/National-Park

- Summary: Application to search for National Parks in the USA.
- Role: JavaScript and CSS
- Tools: HTML, CSS, JavaScript, APIs, Materialize, GoogleFonts

Weather Dashboard (October 2020)

mimila-85.github.io/Weather-Dashboard/ | github.com/Mimila-85/Weather-Dashboard

- Summary: Application that provides current and 5-Days Forecast weather by city.
- Role: Solo author
- Tools: HTML, CSS, JavaScript, APIs, Bootstrap, GoogleFonts

Code Quiz (October 2020)

mimila-85.github.io/Code-Quiz/ | github.com/Mimila-85/Code-Quiz

- Summary: Application to check the current and 5-Days Forecast by city.
- Role: Solo author
- Tools: HTML, CSS, JavaScript, APIs, Bootstrap, GoogleFonts

Professional Experience

Engineer II, American Bureau of Shipping, Classification Society (USA)

June 2014 – September 2016

Responsibilities:

- Performed design review of safety aspects and analysis of piping systems such as HVAC; lubricating oil; hydraulic oil; fuel oil; cooling water; compressed air; potable water; Fire Fighting Systems such as fixed high and low pressure gas fire fighting systems (eg. CO2, FM200); fixed foam fire extinguishing system; fixed water sprinkler; fire main systems; and fire control plan.

- Provided calculations to verify piping and pump sizing.
- Reviewed Piping and Instrumentation Diagrams along with Electrical Schematics and Control Logic Diagrams to ensure the control valves are in accordance with the S.A.F.E (Safety Analysis Function Evaluation) Charts and Cause and Effect Matrix.
- Reviewed customer's FMEA.
- Ensured compliance with IACS classification Rules, IMO Codes and Conventions, Regulations, and contract commitments, which also included Industry Standards as NFPA, ANSI, ASME, ASTM, ISO and others.
- Managed multiple projects simultaneously, including communication with regulatory authorities (e.g. US Coast Guard), vendors, and inter-disciplines communication.
- Advised field operations, surveyors, and other technical offices.

Strategic Mechanical Engineer – Auxiliary Plant, Snowy Hydro Limited, Power Generation (Australia)

July 2012 – April 2014

Responsibilities:

- Hired and managed the most qualified contractors for minor project implementations and provided onsite management for in-house and contract workers.
- Assessed risks such as HAZOP and HAZID and provided technical advice to station operations.
- Generated asset strategies for the power station auxiliary system, which includes Cooling Water System, Compressed Air System, Fire Protection System, HVAC System, Drainage System, Domestic Water, Standby Generator and Cranes.
- Provided calculations to select pumps, compressors, piping, filters and others mechanical components.
- Developed Project Initiation based on site investigations, condition and health assessments, and business improvements.
- Provided technical advice to station operations, and to the Project Design team.
- Developed Technical Standards.

Engineer, American Bureau of Shipping, Classification Society (USA)

December 2010 – June 2012

Responsibilities:

- Performed design review of safety aspects and analysis of piping systems associated with new construction of offshore platforms.
- Ensured compliance with IACS classification Rules, IMO Codes and Conventions, Regulations, and contract commitments by utilizing knowledge of marine and process engineering, which also included Industry Standards as NFPA, ASME, API and others.
- Provided Engineering Review of Piping Systems such as bilge and ballast; gravity drain; fuel oil; lubricating oil; hydraulic oil; cooling water; compressed air; sanitary; potable water; engine exhaust; vents, sounds and overflow; and piping material.
- Provided Engineering Review of Fire Fighting Systems such as fixed high and low pressure gas fire fighting systems (eg. CO2, FM200); fixed foam fire extinguishing system; fixed water sprinkler; fire main systems; and fire control plan.
- Advised field operations, surveyors, and other technical offices.
- Solved large scale problems related to conflicting design requirements.

Mechanical Engineer, Projemar S.A. Estudos e Projetos de Engenharia (Brazil)

February 2005 – November 2010

Previous Positions Held: Drafter and Designer

Responsibilities:

- Oversaw design for new construction of offshore platforms, and ships.
- Provided calculations for pump sizing, deluge systems, engine room ventilation systems, piping size, thermal oil balance, and sizing of initial machinery equipment for ships.
- Provided calculations for head losses of the ventilation ducts and discharge gases.
- Created and verified piping diagrams utilizing the SmartPlan program.
- Created and verified piping system, spool's and isometrics utilizing the PDS program.
- Created and verified piping supports, piping plans and material lists utilizing the MicroStation program.

Drafter, Planave S/A (Brazil)

April 2003 - February 2005

Education

Certificate in Full Stack Web Development, University of Central Florida, Orlando, USA

Expect completion: March 2021

Post-Graduation in Petroleum Engineering, Petrópolis Catholic University, FUNCEFT campus, Rio de Janeiro, Brazil

Diploma awarded: September 2012

Bachelor's in Mechanical Engineering, Santa Ursula University, Rio de Janeiro, Brazil

Diploma awarded: December 2008

Specialized training in Electronic Technical discipline, Rio de Janeiro Technical School

Diploma awarded: December 2002

Languages

Portuguese, native

English, fluent