

CAMILA ALVES MEYER

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

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Summary: Software Engineer with a Mechanical Engineering background experienced in regulatory compliance and review of safety aspects of mechanical systems and electro-electronic components. With a Certificate in Full Stack Web Development from the University of Central Florida. Skills in JavaScript, including API interaction (JSON/ AJAX), database integration (MySQL/MongoDB), server-side development (Node.js/Express), and quality assurance (unit testing). Expert in completing demanding assignments within crucial timelines. Highly articulate, demonstrating excellent interpersonal skills. Excited to develop responsive web apps with a focus on mobile-first experience using the MERN stack.

Technical Skills

HTML5, CSS, JavaScript, jQuery, Handlebars, APIs, JSON, AJAX, Bootstrap, Materialize, Material UI, GitHub, Heroku, MySQL, Sequelize, Mongoose, MongoDB, Express.js, React, Node.js, Quality Assurance.

Projects

RoboArm App Control (March 2021)

roboarmcontrol.herokuapp.com/ | github.com/Mimila-85/roboarm-app-control

- Summary: RoboArm is a web app that allows the user to remote control a robot claw from anywhere with internet connectivity.
- Role: Backend (Node.js, Express.js, MongoDB, Mongoose, Passport, Socket.io, Adafruit-pca9685), and front end (React, CSS, and Material UI).
- Tools: Node.js, Express.js, MongoDB, Mongoose, Passport, Socket.io, Adafruit-pca9685, React, CSS, and Material UI.

Crush it! (January 2021)

youcrushit.herokuapp.com/ | github.com/Mimila-85/you-crush-it

- Summary: Personal workout tracking application that allows the user to create a workout routine, update, and track its progress compared to previous sessions.
- Role: Backend (Node.js, Express.js, MySQL, Sequelize), and some front end (Handlebars, jQuery).
- Tools: Node.js, Express.js, MySQL, Sequelize, ESLint, Handlebars, CSS, jQuery, Bootstrap.

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.

Professional Experience

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

June 2014 – September 2016

- Performed design review of safety aspects of piping systems ensuring not only the safety of the employees as well as protecting the financial investment of the company.
- Provided engineering calculations to verify if the equipment were properly-sized to eliminate the risk of accidents.
- Reviewed Control Logic Diagrams to ensure the control valves are per the S.A.F.E (Safety Analysis Function Evaluation) Charts and Cause and Effect Matrix confirming the positions of the valves were appropriate to protect lives and investment.
- Ensured compliance with IACS Classification Rules, IMO Codes, and Conventions, Regulations providing maritime safety and pollution prevention protecting the company from fines.
- Managed multiple projects simultaneously, including communication with regulatory authorities (e.g. US Coast Guard), vendors, and other offices providing customers with a complete package and faster turnaround.

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

July 2012 – April 2014

- Hired and managed the most qualified contractors for minor project implementations and provided onsite management ensuring project completion on time and cutting unnecessary costs.
- Assessed risks such as HAZOP and HAZID and provided technical advice to station operations, eliminating identified hazards to protect the company investment.
- Generated asset strategies for the power station auxiliary system avoiding outages, and improving assets lifespan.
- Provided calculations to select appropriate mechanical equipment with a focus on cost reduction.
- Developed Technical Standards to reduce project time and appropriate design.

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

December 2010 – June 2012

Education

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

Certificate awarded: 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