


# Imed Zitouni

Design Engineer

## Contact

 New Westminster ~ BC Canada

 [linkedin.com/in/imed-zitouni](https://www.linkedin.com/in/imed-zitouni)

 <https://imedzitouni.com>

## Skills

### Tools & Software

AutoCAD Cadmatic Fusion 360

ShipConstructor ESAB Columbus

ProCAM Blender

### Programming

Python JavaScript VBA

SQL HTML CSS

### Languages

English French

Arabic

## Memberships

Engineers & Geoscientists British  
Columbia Association



## Professional Experience

### Detail Design Hull Lead 2021 – Present

Seaspan Vancouver Shipyards – North Vancouver, BC Canada

- Act as the Lead for implementation & integration of a new hull modelling Software suite.
- Development of Engineering Design Standard of procedures and Model Development Plans for new Projects.
- Management of subcontracted CAD modeling teams.
- Structural Design of details, population of detailed bills of materials for procurement purposes, generation of production information for manufacturing and assembly of products throughout the block build, erection joints, zone outfitting and test & trials.
- Collaborate with all levels of Engineering in the development of Modelling Standards, review of current documentation and implementation of changes.
- Close work with MRP Team to ensure MRP/CAD/CAM interfaces communication are captured in a timely manner and integration resolved cost effectively.
- Resolve discrepancies and interface with cross functional teams.
- Major projects involved in: Polar Icebreaker, Multi-Purpose Coast Guard vessels.

### Detail Design Engineer 2019 – 2021

Seaspan Vancouver Shipyards – North Vancouver, BC Canada

- Development and automation of Manufacturing Machines input system (CNC) that improved production efficiency by strategically creating a custom software that fits the tooling ecosystem.
- Development of Engineering Design Work Instructions.
- Management of subcontracted CAD modeling teams.
- Structural Design of details, population of detailed bills of materials for procurement purposes, generation of production information for the manufacturing and assembly of products throughout the block build, erection joints, zone outfitting and test and trials.
- Support of modeling standards, naming conventions, drawing conventions and production outputs to ensure resulting work packages for manufacturing are in alignment with the yard's work center layout and block erection sequence.
- Close work with MRP Team to ensure MRP/CAD/CAM interfaces communication are captured in a timely manner and integration resolved cost effectively.
- Major projects involved in: Joint Support Military Ships, Offshore Oceanic Science Vessel.

### Junior Detail Design Engineer 2017 – 2019

Seaspan Vancouver Shipyards – North Vancouver, BC Canada

- Assisting in all Post Processing efforts – Manufacturing Information analysis & troubleshooting.
- Working with designers and Production crews to ensure all shipbuilding requirements are met.
- Ensuring adequate design reviews are performed and documented.
- Preparing technical reports and Drawings.
- Assisting in debugging Plants CNC Machines and review feasibility of design.
- Preparing Manufacturing information for all Plant's cutting & forming machines.
- Providing technical support and resolution for structural, outfitting and piping issues from design to fabrication.
- Maintaining Stock catalog with constant communication with procurement and material management.
- Nesting and Tooling process execution and continuous improvement.
- Major projects involved in: Offshore Fisheries Science Vessels.



## Education

### Bachelor' Degree Integrated Engineering 2012 – 2016

University of British Columbia – Vancouver, BC Canada

### Engineering Certificate 2011 – 2012

Douglas College – New Westminster, BC Canada