

# Roy Mears

roy.mears@gmail.com | (562) 706-6352

## OBJECTIVES:

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Computer Engineering student at CSULB looking to further my knowledge in the field of FPGAs, embedded systems, and chip design. Capable of independent prototyping and research with a focus on academic excellence.

## EDUCATION:

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### California State University Long Beach,

Bachelor's of Science in Computer Engineering, **3.7GPA:**

Expected: December 2025

### Golden West College:

2015 - 2019

Liberal Arts: Emphasis in Computer Science and Technology, Associate in Arts Degree

Liberal Arts: Emphasis in Mathematics, Associate in Arts Degree

## SKILLS:

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### Computer Languages and Architectures:

- C/C++, Java, Python, Verilog, Xilinx, Html, MatLab, TM4C123GH6PM, 8051, Zybo Z-20.

### IDEs and EDA Tools:

- Eclipse, IntelliJ, Visual Studios, CodeLite, Sublime, Keil, Vivado, Vitis, LTSpice, and Altium.

### Equipment Proficiency:

- Soldering, Oscilloscope DSO, Function Generator, Multi-Meter, Zybo FPGA, Three Phase Generators, 220V Pumps, Breaker Box Organization, Diesel Engines, and Full Woodworking Shop Proficiency.

## RELEVANT WORK EXPERIENCE:

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Gore Point LLC, Homer, AK (37ft Salmon Seiner):

May 2023 - Current

### Nautical Engineer:

- Performed maintenance and upkeep of all vessel equipment, including main propulsion, electrical generators, industrial refrigeration system, and hydraulics.

Aquanator LLC, Valdez, AK (80ft 100-ton Salmon Tender):

May 2020 - October 2022

### Engineer and Systems Coordinator:

- Planned and coordinated use of machinery, material and equipment to ensure efficient maintenance of shipboard equipment, including overseeing inventory and organization of parts and storage.
- Operated, monitored, and evaluated engine/refrigeration performance, compiling and delivering concise and timely reports of upkeep and equipment decline, suggesting and executing remedies to such equipment failures.

## ADDITIONAL EXPERIENCE:

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Woodcraft Supply of Fountain Valley: **Retail Associate / Lathe Instructor**

2018 - 2021

Newport Seabase: **Certified US Sailing and Woodworking Instructor:**

2016 - 2019

Boy Scouts of America: **Eagle Scout, Patrol Leader, Troop Guide and Chaplin.**

2014 - 2017