

Erlend Framstad

Mechanical Engineer

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Norway

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Summary

Born in 1991, M.Sc. in Mechanical Engineering from South Dakota School of Mines and Technology, and continuous work experience as a Mechanical Engineer and Project Leader since 2015.

I'm a nerd with solid theoretical knowledge, but also practical after many years of collaboration with mechanical workshops. Currently working as a Constructor and Project Leader at C. H. Evensen Industrial Furnaces AS.

Experience

C. H. Evensen / Constructor & Project Leader

APRIL 2017 - PRESENT, FREDRIKSTAD

Designing tailored industrial furnaces. The position includes development, 3D-modeling, simulation, generating construction drawings, purchasing, and follow-up of the construction process.

Havyard MMC / Project Engineer

AUGUST 2015 - APRIL 2017, FOSNAVÅG

Fish Handling department. Had the main responsibility for design and 3D-modeling of graders for live salmon.

Borregaard / Project Engineer (Summer Substitute)

JUNE 2011 - AUGUST 2011, LOCATION

Designed tools to simplify manufacturing of spare parts for the plant.

Education

South Dakota School of Mines and Technology / M.Sc. Mechanical Engineering

2013 - 2015, Rapid City USA

Key courses: Robotics, Advanced Renewable Energy System Design, Advanced Mechanical System Control, Computer Vision.

Master's thesis: Thesis on developing a control strategy for robots only equipped with controllable brakes and no driving motor. The final design let the robot perform a controlled descent on an inclined plane, and autonomously reach a predetermined position and orientation. The software was developed using Matlab and Simulink.

Average grade: A-

Høyskolen i Østfold / B.Sc. Mechanical Engineering

2010 - 2013, Fredrikstad Norway

Bachelor's thesis: Designed the layout, and calculated the costs of installing and running a steam turbine at a local, partially running nuclear reactor. Concluded that the most economical design would break even after 5 years.

Average grade: A-

Skills

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| CAD - Solidworks & Inventor | CFD Analysis |
| Finite Element Analysis | Control Systems |
| Product Development | Project Management |
| Programming | Welding |

Languages

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| Norwegian (Native) |
| English (Fluently) |
| German (Basic understanding) |

Publications

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| Framstad and Bedillion, 2015, Control for Robots with Braking Actuators in a Uniform Force Field, Proceedings: International Mechanical Engineering Congress and Exposition. |
| http://proceedings.asmedigitalcollection.asme.org/proceeding.aspx?articleid=2500626 |

References

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|---------------------|--|
| Mr. Helge Birkeland | |
| Technical leader | Havyard MMC |
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