

Erlend Framstad

Mechanical Engineer

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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-

Høgskolen 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

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

Languages

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

Publications

Framstad and Bedillion, 2015, Control for Robots with Braking Actuators in a Uniform Force Field, Proceedings: International Mechanical Engineering Congress and Exposition.

<https://doi.org/10.1115/IMECE2015-53080>

References

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South Dakota School of Mines

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