

# Erlend Framstad

## Mechanical Engineer

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### Erlend Framstad

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Norway

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### Summary

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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.

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### Experience

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#### 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.

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### Education

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#### 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-

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## 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-

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### Skills

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

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### Languages

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

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### 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>

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### References

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Havyard MMC

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South Dakota School of Mines

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