KJETIL VASSTEIN

PhD Candidate, Entrepreneur

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WORK EXPERIENCE

Digital twin for autonomous ferries
Zeabuz, Software developer

📅 August 2020 – present   📍 Trondheim, Norway

- Cofounder of Zeabuz AS
- Integrating a simulation based verification system based on Gemini (See Projects)
- Research and development of AI, simulations, parallel computations and extrospective sensors

Design for manufacturing of robotic tails
Cosgear, Lead engineer

📅 Januar 2018 – May 2020   📍 Trondheim, Norway

- Cofounder of Cosgear AS (AKA Costail)
- Leading a technical team in developing mechanical, electrical and software solutions towards mass production
- Product development towards cosplayers using human centred design

Apprenticeship
IP Huse, Industrial Mechanic

📅 August 2010 – July 2015   📍 Harøy, Norway

- Assembly, welding and machining of marine equipment.
- Maintenance and troubleshooting of industrial machinery
- Certified for heavy lifting procedures with overhead cranes

ACHIEVEMENTS

- Winner of Adolf Øyens Fond in 2019 with Costail AS
- Winner of the Norwegian Venture cup in 2018 with Costail AS
- 3. place in design from Formula student 2015 Great Britain with Revolve
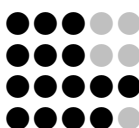- 4. place in overall from Formula student 2015 Austria with Revolve

SKILLS

C, C++, C#
Matlab, Simulink, EasyEDA
Fusion 360, Solidworks, 3D-printers
Unity 3D

EDUCATION

PhD in digital twins
NTNU

📅 February 2021 – October 2024 (Ongoing)

Master in cybernetics
NTNU

📅 June 2014 – February 2021

Industrial production (TAF-TIP)
Haram videregående

📅 June 2010 – July 2014

LIFE MOTTO

"Individuals makes breakthroughs, teams creates revolutions"

ORGANISATIONS

Gemini 📅 Mars 2019 – present

- Cofounder of the open source project Gemini, which focuses on giving researchers high fidelity simulations for maritime autonomy
- Developed realtime sensor models for RGB & IR cameras, lidar and radar using geometric optics on GPU.
- Work continues through the PhD

Fuel Fighter NTNU 📅 January 2017 - Mai 2018

- Developed test jig for measuring powertrain efficiency
- Guided the machining process of car parts
- Researched optimal vehicle velocity trajectory with respect to motor and aerodynamic efficiency

Revolve NTNU 📅 August 2014 - July 2015

- Researched and acquired laser welding of LiPo cells in two 600 volt accumulators
- Tested and analysed thermal and electrical resistance in cell joints
- Assisted with CAD design for the racing cars accumulator

REFERENCES

References are available on request