

# Yaolin Ge

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Yara International  
0277 Oslo

## Application letter to “Software Engineer”

Dear Hiring Team at Yara International,

I am excited to submit my application for the Software Engineer role in your prestigious company. As a Ph.D. candidate in the statistics group at the Dept. of Mathematical Sciences at NTNU, I've gained extensive experience in data-driven machine learning software system development. I have spent the last few years focusing on the design and implementation of multi-scale data-driven machine-learning software systems, particularly in the area of remote sensing and oceanic phenomena.

In my Ph.D. work, I've had the opportunity to collaborate with multiple customers including SINTEF Ocean, AURLab NTNU, LSTS, and MARETEC, fostering novel ideas through knowledge dissemination. I have developed and deployed data-driven models and software that incorporate various in-situ data collected in the ocean to better understand the phenomenon of water mass mixing. In addition, my experience includes deploying and integrating these systems onboard an unmanned robot for several successful field experiments, which I believe aligns well with the goals of the Digital Production Platform team.

Yara's commitment to addressing key global challenges such as resource scarcity, food insecurity, and environmental change resonates with my own passions. I am thrilled to leverage my experience in designing scalable, reliable distributed services, and applications for industrial IoT at your company. I am confident that my background in software architecture design, data analytics, statistics, and agile methodologies aligns with your needs. I look forward to potentially contributing to the digitalization of Yara's core processes and operations and participating in the ongoing growth and transformation of your esteemed company.

Thank you for considering my application. I look forward to the possibility of discussing my candidacy further.

Sincerely,

A handwritten signature in black ink that reads "Yaolin Ge". The signature is written in a cursive, flowing style.