

Yaolin Ge

Alfred Getz' vei 1, 7034 Trondheim | +47 92526858 | <https://geyaolin.com> | yaolin.ge@ntnu.no

ZIVID

Gjerdrums vei 10A,
0484 Oslo

Application letter to “Software Engineer”

I got very excited when I found this announcement on Finn.no. I think I can fit into this position.

I am currently a Ph.D. candidate in the statistics group at the Department of Mathematical Sciences at NTNU, and hopefully soon will defend my thesis in the summer. In my Ph.D. project, I mainly work on developing data-driven machine learning software systems for autonomous ocean sampling with underwater robots. I have experience with high-performance GPU computing using CUDA and OpenCL to speed up the calculations onboard an autonomous underwater robot. I am also good at integrating systems and deploying them into production. I am very solution-oriented and have good problem-solving skills. And I have conducted several successful experiments in Trondheimsfjorden and the Atlantic Oceans.

I also had experiences with computer vision using deep learning strategies when I was a research intern at Peking University in 2019 where I achieved motion capturing of my colleagues using an open-source computer vision library called openpose. We then converted captured movements to a humanoid robot to produce the human-robot dance show. It was a fun experience and it motivated me to use more deep-learning techniques.

Apart from my professional life, I am also very active in my spare time. I have been training in Taekwondo for nine years and competed in NM in 2021 (won a bronze medal in senior M 74+). Recently we won 2nd place in the Yngling class during the sailing competition. I like dancing and playing piano as well. Additionally, sharing with others about the joy of dancing and Taekwondo is one of my favorite things to do. Last but not least, skiing and hiking in the mountains are my ways of meditation.

I am also a rapid learner and can easily grasp new concepts from different fields; my educational background and experience have reflected that as well. I am passionate about new technologies and eager to learn from others. I think this will make me suitable for this position.

I am looking forward to hearing from you soon.

Sincerely,

