

Application Letter

May 20, 2024

Dear Mrs. or Mr.,

with this form I would like to submit my initial application for the position of an Online Physics Tutor.

My last employment was as a software developer in the AI and computer-generated forces team of the *Training & Simulation* department at the land defense system provider *Krauss-Maffei Wegmann Nexter Defense Systems* (KNDS) in Munich. Simultaneously I finished my Ph.D. under the supervision of Prof. Dr. Thomas Klinger at the *Max-Planck Institute for Plasma Physics* in Greifswald.

Over the course of my doctorate, I had the chance to acquire experiences in different fields of computational science, ranging from simulation, optimisation, controlling to integration. Additionally, I was able to learn about, apply the first steps towards the implementation of machine learning. Especially during my Ph.D. I had the opportunity to work hands-on the design, conception, execution of a complex forward-feedback control system of a plasma diagnostic. My curiosity, passion for intelligent solutions to complex challenges motivates me for an application in new fields.

After the end of my Ph.D. contract at the Max-Planck Institute in Greifswald in 2021 I was looking for new challenges that offer me a chance to learn new skills, expand both my professional, personal horizon. In the position of a software developer at Krauss-Maffei Wegmann I was able to fortify my scientifically oriented computer programming, software design capabilities, while also solving complex customer requirements to a very high qualitative standard that is expected in the defense sector.

Constantly working on myself, my skill set, as well as the joy of learning new things, challenging myself with new tasks motivate me to apply for the above position at your company.

At last I will note the names, contact info of my previous supervisors as references.

Prof. Dr. Ralf Schneider (Computational Science)	Tel. +49 3834 / 420 1400
Dr. Felix Reimold (Impurity Transport, Radiation Physics)	Tel. +49 3834 / 88 2825
Prof. Dr. Thomas Klinger (E5 - Divertor Dynamics, Transport)	Tel. +49 3834 / 88 2500
Markus Halm (Head of Software Architecture & Components, ST220 - KNDS)	Tel. +49 8981 / 40 4282

Yours sincerely,



.....
Philipp Scholl
Munich; May 20, 2024