Application Letter

October 5, 2024

Dear ladies and gentlemen and to whom it may concern,

My higher level educational and scientific upbringing lies within low- and high-temperature plasma physics. Though my interests are spread across a variety of disciplines, including but not limited to software development and design, neural networks and data science, however always looking to extend and improve upon my skillset. In line with my education, problem analysis, abstraction and solving is my forte and I don't fear exciting challenges, striving to constantly learn new things and expanding my horizon.

In the past I have contributed to and worked extensively with the international scientific community at the plasma fusion experiment Wendelstein 7-X, leading to numerous publications and advancements thereof. During my Ph.D. I have worked together with a team on the multicamera bolometer diagnostic, improving upon and implementing new features in the acquisition routines, enabling fast, near-realtime feedback experiments designed to achieve even higher performance plasma. Furthermore I executed large dataset analysis, model predictions and benchmarked the diagnostic itself, as well as the numerical tomographic inversion of its measurements.

While simultaneously finishing my thesis in writing I looked for new horizons and picked up a position at international defense contractor Krauss-Maffei Wegmann in the training and simulation department, working with the computer-generated forces and AI team. Here I designed and developed tailor-made software components for customers of state of the art battlefield simulations together with a group senior and highly skilled C++ programmers.

In my spare time I devote myself to competitive sports: until 2020 I was canoe racing, with international level success in my teens and junior years and since moving to Munich I began olympic weightlifting, joining a local team and participating in the Bavarian club league.

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

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Yours sincerely,

Philipp Scholl
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