

# Yaolin Ge

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Oslo universitetssykehus HF  
Sognsvannsveien 20,  
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## Application letter to “Postdoc”

Dear Hiring Manager,

I am thrilled to apply for the Postdoctoral Research Position in Statistical Genetics and Big Data at the Section of Rheumatology, as part of the PREVENT-JIA project funded by the South-Eastern Norway Regional Health Authority. With a strong background as a Ph.D. candidate in the statistics group at the Department of Mathematical Sciences at NTNU, I am highly motivated to contribute to the study of risk and protective factors for juvenile idiopathic arthritis (JIA) and the development of advanced statistical methodologies for large-scale human genetic data analysis.

Throughout my Ph.D., I have gained extensive experience in designing and implementing data-driven machine learning software systems for remote sensing. This experience, combined with my proficiency in edge computing, data analytics, and Bayesian statistics, has equipped me with a solid foundation for tackling the challenges in statistical genetics and big data analysis. I am well-versed in practicing agile methodologies and test-driven development, ensuring efficient and robust research outcomes.

Working on multi-scale data-driven machine learning software systems for remote sensing has honed my ability to deploy and integrate complex systems into practical applications. I have collaborated closely with renowned organizations such as SINTEF Ocean, AURLab NTNU, LSTS, and MARETEC, fostering knowledge dissemination and innovative ideas. These experiences have instilled in me a strong commitment to interdisciplinary teamwork and effective communication.

The opportunity to work within the collaborative and diverse environment of Oslo University Hospital is truly inspiring. I am excited about the prospect of contributing to the PREVENT-JIA project and working alongside experts in statistical genetics and big data analysis, both within the Sanner group and the Andreassen group. I am confident that my background in statistical and machine learning, along with my hands-on experience in high-performance computing and big data analysis, make me a suitable candidate for this position.

Thank you for considering my application. I have attached my resume for your review. I am eager to discuss how my skills and experiences align with the goals of the PREVENT-JIA project and how I can contribute to the advancement of statistical genetics and big data analysis.

Sincerely,

