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iNSPIREHEP

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Dear PayPay Hiring Officer,

My name is Markus Amano and I am in the job market for a data centric technology job. Looking around the internet, I found this particular job via the privately owned dev blog, `tokyodev.com`. I believe I am well equipped with with experiences, skill, and education to satisfactorily carry out the duties required of me of this job at PayPay.

I fundamentally enjoy tackling difficult technical problems. Such problems usually manifest themselves as math and physics problems, but both such fields commonly share one aspect - data. For PayPay to handle the vast amounts of data from the increasing larger amount of transactions in 2023, the underlying systems must be well oiled such that the tight loops of repeated model evaluation and code must be lighting fast. I enjoy and look forward to possibly being able to tackle such intriguing problems of scale, where every percent of improvement is profoundly important. I have Bachelors of Science in Engineering Physics from the Colorado School of Mines and a PhD in theoretical physics from The University of Alabama. Being born and raised in the USA I am fluent in English. Practicing since 2014, I have attained a conversational ability in Japanese. I continue to practice my Japanese to this day and look forward to chance use such a linguistic skill. As my current main job, I do post-doctoral research here are the Henan University in Kaifeng, China. On the side, I have been doing freelance work (similar work here) for about two years. The amount of freelance jobs is possible too varied to list out here, but I will endeavor to provided freelance jobs of note. I have created interactive visualization tools that can be used to explore health data of the European Union. I have created a Naive Bayes model to classify patients depending on written symptoms. I also have done and am currently doing contractor work for *Quantum Data Center* to help them develop Mixed Integer Programs that optimize plane traffic. From these professional experiences I have had the fortune be familiar and become more proficient with development, maintenance, testing, customer relations, etc. I enjoy learning new languages but I would admit that I have three primary languages: **Julia** (4 years), **Python** (7 years), and **Mathematica** (6 years). I also have some experience with using with **SQL** databases. I am familiar with TensorFlow and the construction of such models.

Thanks for you consideration of my application. I am willing to start as soon as and would be willing to be flexible to do a online interview at the request of the interviewer. I am reachable at this email *markus.a.amano[at]gmail.com* and my number is *+86 166 1388 9791*.

Sincerely,

Markus Amano