September 10, 2024

To whom it may concern,

It is my pleasure to write this reference and recommendation letter for Abdullah. I supervised Abdullah over the summer of 2024 throughout his internship at AIP Labs. Abdullah was tasked with developing machine learning models to classify dermatology images.

Abdullah took ownership of the entire project, from curating and analyzing images, training deep neural networks, evaluating and comparing performance of different models, and refining the training pipeline to improve performance. Further, Abdullah performed tasks related to image similarity and image retrieval on large image datasets in order to aid us in detecting issues within our current datasets and appropriately curate images.

A major strength of Abdullah is his ability to deal well with ambiguity and self-direct his learning. Abdullah and I would discuss high level project goals and possible technical approaches, and Abdullah was required to figure out the details and derive further insights. Abdullah showed his ability to well understand problems and extract insights from data, and with minimal guidance on my part, learn on his own the necessary technical details to approach the problem.

Technically, Abdullah was able to quickly learn both a high level understanding of machine learning concepts, as well as lower level implementation details. He demonstrated his ability to write Python code using machine learning frameworks (PyTorch), train deep neural networks on remote GPU servers, and work with version control systems.

On a personal level, Abdullah is very pleasant to work with. He is polite and professional. His written and verbal communication is excellent. Abdullah is curious and eager to learn about new technical concepts, is highly self-motivated, and cares deeply about doing quality work.

I highly recommend Abdullah's application and am confident he will make significant contributions to your team.

Sincerely,

Jeremy Kawahara, PhD

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