Thomas Jefferson Machine Learning Club

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What is TJ Machine Learning Club?

TJ Machine Learning Club aims to bring the exploding field of machine learning and artificial intelligence to high school students. Through informative, engaging lectures, we cover topics from Decision trees and Support Vector Machines to Convolutional and Generative Adversarial Networks. We also hold competitions every week, applying theory introduced in the lectures to real-world datasets. In the past, we've classified everything from liver disorders to breast cancer data! As a community outreach program, we support ML research at TJ, helping students apply the knowledge from the lectures to their own research problems.

Our lectures, competitions, and datasets are available on our website, tjmachinelearning.com.

Why do we need your support?

Although we have 50+ members, the scale of our competitions and research support are limited by hardware. Many students want to apply their knowledge from the club and use machine learning as a research tool, but unfortunately, TJ only has one computer with a modern GPU. This lack of computational resources also hinders our ability to teach recent advances in ML because club members simply can't run the code for these concepts. We are unable expand into more advanced topics and must turn away students who want to participate in large research projects. Funding for modern GPUs would allow us to support more research, hold bigger competitions, and teach bleeding edge theory.

Details

We are asking for $5,000 from your organization. In return, your organization's logo will be listed on our website, the back of our T-shirt, and associated with any research projects the club supports. All funding will go towards purchasing hardware for the club.

If you have other suggestions for collaboration, we would be happy to hear them or answer any questions you have. Please contact us at tjmachinelearning@gmail.com.

Thanks,

TJ Machine Learning Club Officers