

From: [Qin Zhu](#)
To: [Faculty Senate](#)
Cc: [Hussein Amery](#)
Subject: Mines Signature Experience - Short Expression of Interest
Date: Monday, November 2, 2020 10:39:49 PM
Attachments: [Mines Signature Experience Program Zhu.docx](#)

Dear Faculty Senate,

Please see attached a short expression of interest for the Mines Signature Experience Program.

Thanks and best,
Qin Zhu

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The Learning Lab for Responsible AI, Robotics & Future Society

AI, robotics, and machine learning will fuel greater innovation in future engineering and industry. As these powerful technologies are becoming integral to our work and everyday lives, they will transform engineering jobs across all industries and be considered as essential skills for all future engineers. With this grant, we will create a learning lab to bring all Mines students signature learning experiences with the social and moral impacts of AI and robotics on the future society. Possible experiential learning components may include “hands-on” design studio that integrates moral values into AI and robotics, experimental ethics design, tech ethics module development fellowships, and artistic expressions of AI and robotics in the society. This lab will be available to all students on campus. It is a campus-wide, interdisciplinary learning lab supported by faculty advisors with expertise in diverse fields such as humanities, arts, education, computer science, mechanical engineering, and engineering design.