# 2023 Commonwealth Computational Summit

# “AI in Education” Session Presentation Proposal

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Presenter Role or Title: Associate Professor

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This is a proposal for a: *[delete the irrelevant option]*

* brief presentation on research or scholarship on AI in education

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| Title | Charting the Digital Discourse: Understanding the Research and Instructional Value of Discursive Exchanges with AI |
| Description  *(lightning talks 75-150 words; research talks 200-250 words)* | The evolving landscape of research has consistently sought to embrace technological advances that optimize the intellectual inquiry process. In this vein, my extensive discussions with advanced AI models like ChatGPT have illuminated the untapped potential of AI in enhancing and structuring the ideation phase of research. This proposal seeks to systematically study the benefits, dynamics, and potential pitfalls of engaging in discursive exchanges with AI as a research tool.  Our central research questions include: How do AI-enabled discursive exchanges influence the conceptualization and elaboration of research topics? Are there identifiable patterns in these discussions that can be harnessed to refine research methodologies? And importantly, what are the limitations and challenges posed by such interactions, especially concerning the epistemic nature of AI?  To address these questions, we will employ a mixed-methods approach. Quantitative analysis will assess the frequency, direction, and depth of topics covered in discussions, while qualitative methods will evaluate the richness, originality, and academic rigor of insights derived from AI exchanges. By comparing these findings with traditional brainstorming and ideation methods, we aim to establish a clearer understanding of the AI's role in the modern research ecosystem.  This study promises to provide researchers, instructors, and students with novel insights into how AI can be utilized as a collaborative thought partner, potentially reshaping the contours of academic inquiry and instruction in the digital age. |
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*If you have questions about this proposal, contact Trey Conatser, Director of UK CELT, at trey.conatser@uky.edu*