

Pioneer Research Program Evaluation Form

Scholar Information

Scholar's Full Name:	Xingyang (Chris) He
Scholar's Research Concentration:	Designing and Creating Human Centered Technologies
Title of Scholar's Research Paper:	Enhancing Learning with Student Teacher Augmented Response (STAR): A Multi-Agent Collaborative System for Nontraditional Education Settings

Grading and Academic Oversight Section

Program grade conferred by professor: A

**Full grading rubric approved by Pioneer Academics and Oberlin College*

The Pioneer Research Program's college accreditation and academic oversight are conducted collaboratively with Oberlin College:

Listing on Common Application:	"Summer Program, Credit Awarded Directly by Oberlin College"
Course Title on Coalition Application:	"099" "Pioneer Research Course"
College Course ID on UC Application:	"INST 099" "Pioneer Research Course"

Comprehensive Evaluation Section

Evaluator Name & Full Title:	Dr. Franceska Xhakaj
College/University & Department:	Carnegie Mellon University, Computer Science Department and Human-Computer Interaction Institute, School of Computer Science
Full Educational Background of Evaluator:	2021-Present: Assistant Teaching Professor, Computer Science Department (CSD) and Human-Computer Interaction Institute (HCII) at the School of Computer Science (SCS), Carnegie Mellon University 2015-2021: Ph.D. Human-Computer Interaction, School of Computer Science, Carnegie Mellon University 2015-2017: M.S. Human-Computer Interaction, School of Computer Science, Carnegie Mellon University 2011-2015: B.S. Computer Science, Minor in Mathematics, Lafayette College



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Please rate the scholar in the following areas:

	Excellent	Good	Average	Below Average	Poor
Ability to form original ideas and concepts	X				
Ability to communicate thoughts in an effective and articulate manner	X				
Ability to synthesize and organize information from disparate sources	X				
Level of scholar's curiosity, aptitude, and industriousness	X				

Based on the scholar's performance through Pioneer, how would you rate this scholar's potential for undergraduate-level academic work at a top college/university, relative to other undergraduate students whose academic work you have mentored?

One of the best I have encountered, top 5% <input checked="" type="checkbox"/>	Excellent, top 10% <input type="checkbox"/>
Very Good, top 25% <input type="checkbox"/>	Good, top 50% <input type="checkbox"/>
Below Average <input type="checkbox"/>	

Describe some of the scholar's strengths:

Chris demonstrated an exceptional ability to read and comprehend scientific literature, synthesize findings, and identify gaps in previous work. Furthermore, he excelled in understanding user needs, developing a solution both in prototype and implemented form, and subsequently testing it with real users. Chris's research paper provides a comprehensive end-to-end example of user-centered research. His writing surpassed the expectations for high school or undergraduate students. Moreover, I was particularly impressed by Chris's initiative to independently learn how to work with a Language Model (LLM) and build his system based on it, despite having no prior experience in this area. It was a pleasure to work with Chris.



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Describe some areas in which the scholar can improve:

Chris was always prepared, with all the assignments submitted by the deadline. I can't identify any areas where improvement is needed.

While the second half of the research work was one-to-one with the professor, the first half involved a small research cohort of 3-6 scholars. Describe the contribution that the scholar made to the research group discussion and learning:

Chris consistently came prepared to every session, offering thoughtful insights on the assigned papers. He always asked questions that demonstrated a genuine desire to understand the material presented in class more deeply. Additionally, Chris was helpful to his peers, posing questions about their proposed research ideas and providing feedback on their approaches. He was always well-prepared, professional, and supportive of his peers.

Would you recommend this scholar to a college admissions officer at a top college or university? Why or why not?

I would strongly recommend Chris to a top university/college. This is where he belongs. The skills he showed this semester in conducting research, in addition to his meta skills in learning and managing a research paper (independent and self-directed learning) show that he will thrive and excel in the rigorous environment of any high-quality university.

Evaluator's Signature:	<i>Dr. Franceska Xhakaj</i>
Evaluator's Printed Name:	Franceska Xhakaj
Date of Evaluation:	07/28/2024
Evaluator's email & phone:	xhakajf@gmail.com, 7029343574

Pioneer Academics affirms that the scholar whose research paper is attached has followed Pioneer Academics' protocols for developing original research and that their paper has met Pioneer Academics' standards for authenticity. The grading and evaluation have met the standards collaboratively defined by Pioneer Academics and Oberlin College & Conservatory. If there are any questions regarding the work's academic integrity, please contact us at academic.integrity@pioneeracademics.com or by calling (855) 572-8863. We will conduct an immediate review and respond to your questions promptly.