The ACM Southeast (ACMSE) conference Grant Submission

SUMMARY

The ACM Southeast (ACMSE) conference is the oldest, continuously running, annual conference of the Association for Computing Machinery (ACM). I plan to attend the conference from April 18-20, 2022. The conference provides an excellent forum for students, faculty, researchers, and industry practitioners to present their research in a friendly and dynamic atmosphere in all areas of computer science. It will provide me with the perfect opportunity to discuss my contribution to the field of Intelligent Programming Tutor systems.

PURPOSE

The purpose of this proposed travel is to present my paper, "Design and Development of a Word Match Generator". Not only does my paper discuss the efficacy of word matching games in Computer Science education, but the contribution from it is a fully functioning live teaching aid. Comparatively speaking, most research papers on Computer Science education are summaries of other papers. The development of this system comes from my 10 years of my personal experience working in science and education as well as from the guidance of my advisor Dr. Daniel Liang,Yamacraw Professor of Software Engineering. The contribution from this paper can not be understated. In the words of Dr. Ryan Florin, GSU Computer Science Professor, "Not many people take the time to really figure it out. When you learn material it can be explained to you, but to actually understand it you have to do it" I've received guidance from Dr. Liang, but for my entire research project was created from scratch. In order for my work to improve it would be beneficial to receive more feedback. Conferences like ACMSE are great opportunities for researchers learn from more experienced practitioners. After attending the conference I plan share my experience with our academic community at Georgia Southern.

INTELLECTUAL MERIT

In the words of Dr. Andrew Allen, "Conferences not only do a lot of knowledge transfer, but also stir up new ideas.". The exposure to different academic communities increases our ability to think critically. As an ambassador for our University I will use this opportunity develop personal relationships with other researchers. Given the state of world post COVID, the social capital of personal networks is becoming increasingly more valuable. As researchers we are now separated into two realms of knowledge transfer, the 3D and the 2D. From my experience, the rate of knowledge transfer is restricted by 2D virtual interactions. I plan to use this experience to bring fresh ideas back to our academic community while at the same time share new ideas with other researchers.

SCHEDULE

At this time a conference schedule is not available, but an expected outline is provided below.

April 17	Leave Augusta AGS to Birmingham, AL	7:24AM
April 17	Arrival Birmingham, AL	9:16AM
April 17	Pick up rental car, National	10:00AM
April 17	Drive to Jacksonville AL	11:20AM
April 17	Hotel Check In at Courtyard Anniston Oxford	11:30 AM
April 18	Arrival at Jacksonville State University	8:00AM
April 18	Conference attendance	ALL DAY
April 19	Arrival at Jacksonville State University	8:00AM
April 19	Conference attendance	ALL DAY
April 20	Arrival at Jacksonville State University	8:00AM
April 20	Conference attendance	ALL DAY
April 21	Leave for Birmingham, AL	6:00AM
April 22	Return Rental Car and Leave for Augusta, AGS	8:07 AM