C951: Live call

1 message

Shed Hollaway <shed.hollaway@wgu.edu>   Sat, Jun 22, 2024 at 1:05 PM
To: James Revello <jreve48@wgu.edu>

Hello, James; It was nice talking with you today. I am forwarding this email because I wasn't sure if you had seen these tips for task 3, which included an attachment.

Welcome to C951, Introduction to Artificial Intelligence. I have the pleasure of serving as your Course Instructor (CI) for this course.

This course focuses on Machine Learning (ML), Reasoning, Knowledge Representation, Uncertainty, Intelligence, Search Strategies, Agents, and Robotics. You'll demonstrate competency through Performance Tasks or Performance Assessments (PAs) such as creating a Chatbot, programming a robot, and writing a proposal to implement a Machine Learning project.

This course has three (3) Performance Tasks as follows:

1. **Task 1: *Create a Chatbot!*** - Please click on the link TASK-1 to be directed to this Task. You may need to learn a little AIML (Artificial Intelligence Markup Language) programming for this Task. The link contains the resources for learning AIML.

1. **Task 2: *Create a Disaster Recovery Robot!*** using the robotic simulation software, ***CoppeliaSim*** which can be downloaded for FREE on Windows. To download this software on a MacOS please click on the link MACDOWNLOAD. Please click on the link TASK-2 to be directed to this Task. To complete this Task, visit and view the link DIRECTIONS-1. If needed, download the tutorial file ***BubbleRob*** via TUTORIAL FILE.

1. **Task 3: *Write a Proposal to Implement a Machine Learning Project (only write a proposal).*** To complete this task, please visit the link TASK-3.

Task 3 can be a similar topic to the Capstone project, but they are a different scope of projects, and have different rubrics, your Task 3 is a proposal (it does not need an actual public data source {rubric item D.1}), but your Capstone is a full project and paper. Start by reading part V of the textbook, focusing on chapters 19. Then,

- use your interests and experience to consider some topics in which you might like to do a proposal

- do a search and see what kind of similar successful projects have been done before, scholar.google.com or a regular google search (for example, "ML solutions to indicate the success of a natural foods company increasing online sales", there are an infinite myriad of possibilities)

- consider what data source you would use and where you could acquire that dataset, the data set does not have to be real, but it must be convincingly described that it could be obtained, actual Kaggle datasets are acceptable; Wikipedia also has a list of sites that have publicly available data sets

- it is required that your ML solution will meet an organizational need, item A.1

- for students, the most challenging parts of the task is identifying specifically what ML technology they will be using (item A.4 and C.1); the scope of the project (item B.1); goals, objectives, deliverables (item B.2). It is important to use the resources for task 3, the paper template, and the FAQ-directions-advice page. And, I am always here for guidance.

Note: Other supplemental resources such as faculty videos on Machine Learning and suggestions for this course can be found in the link SUPPLEMENTAL.

You may complete the Tasks in any order, but I recommend starting with Task 1, then moving to Task 2, and ending with Task 3.

Whatever your learning style may be, I look forward to working with you in this course to help you succeed.

C951 - Recommended Pacing Guide

Week	Lessons
	Welcome to Introduction to Artificial Intelligence

Week 1	1. Introduction 2. Intelligent Agents 3. Solving Problems by Searching 4. Search in Complex Environments 5. Adversarial Search and Games 6. Constraint Satisfaction Problems
	7. Logical Agents 8. First-Order Logic 9. Inference in First-Order Logic 10. Knowledge Representation * Focus: Chatbots Begin reviewing **Task 1**
Week 2	12. Quantifying Uncertainty 13. Probabilistic Reasoning 19. Learning from Examples 20. Learning Probabilistic Models Complete and submit **Task 1**
	21. Deep Learning 22. Reinforcement Learning 26. Robotics * Focus: Robotics and Machine Learning Begin reviewing **Tasks 2 and 3**
Week 3	27. Philosophy, Ethics, and Safety of AI Complete and submit **Task 2**
Week 4	28. The Future of AI Complete and submit **Task 3**

Last, but most important, don't hesitate to reach out to me if you have any questions as you're working through this course. I am here to help!

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Shed Hollaway II (He / Him)

Instructor

WGU School of Technology

Office Hours:

TUE: 6:00 AM to 9:00 AM, 11:00 AM to 3:00 PM

WED: 6:00 AM to 9:00 AM, 10:00 AM to 2:00 PM, 4:00 PM to 7:00 PM

THU: 6:00 AM to 9:00 AM, 11:00 AM to 3:00 PM, 4:00 PM to 7:00 PM

FRI: 6:00 AM to 2:00 PM

SAT 9:00 AM to 3:00 PM

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