aws

2025 AWS GenAI Challenge

April 3,2025

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Trusted AI Challenge

A global university competition that offers cash prizes for students to develop secure and responsible coding capabilities in large language models.

This competition is a preliminary round for Norwich University in Preparation for a larger Amazon Competition. Details **here.**

Ready to embrace the challenge?
Click here or scan QR code to register and view more details.
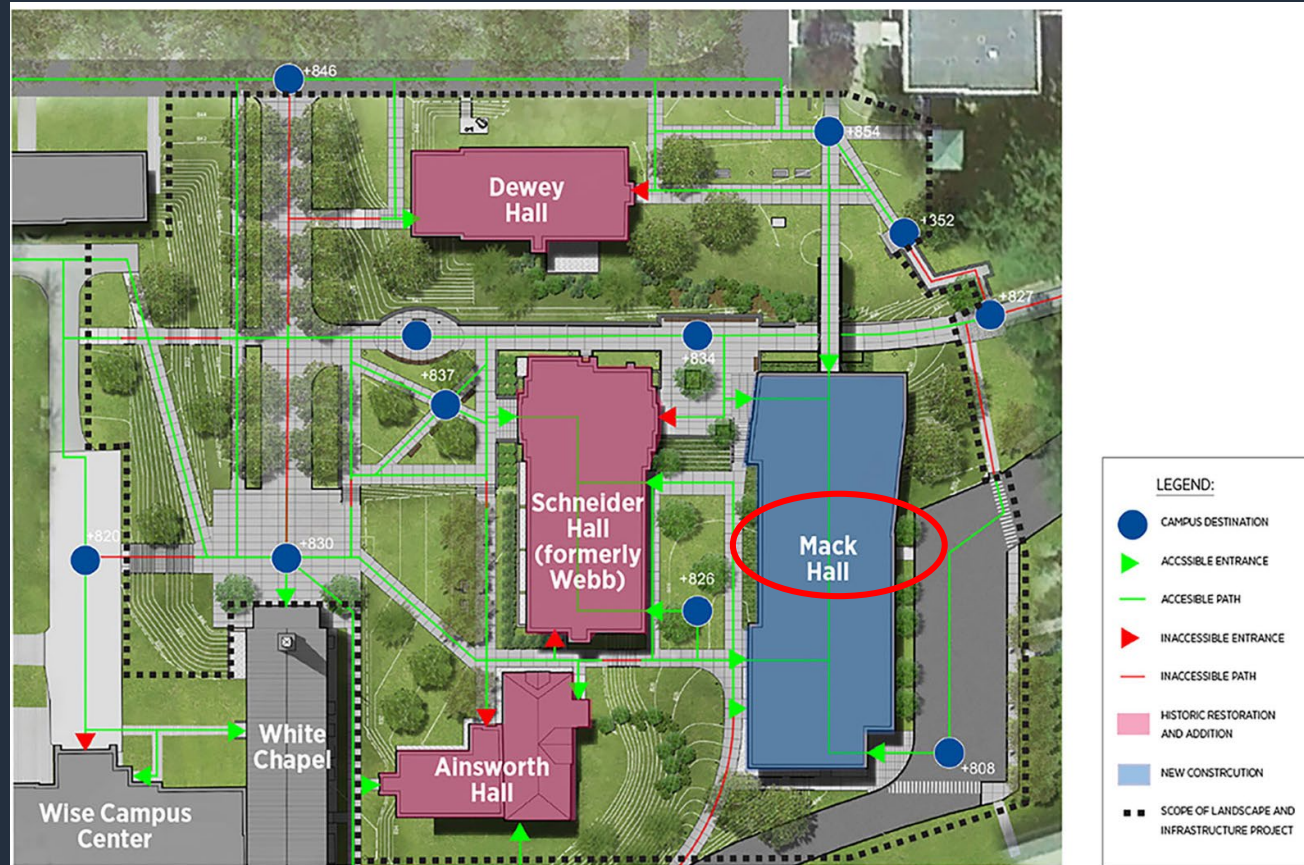All who compete will also be considered for open roles at AWS.

Critical Dates
Registration Deadline: March 1,2025
Case Study Available March 10, 2025
Presentations due by March 31.2025
Competition Date: April 3, 2025

Event Details

- **Date:** Thursday, April 3rd

- **Presentation Time:** 9:30-11:30 AM & 12:30 – 3:30PM

- **Location:** Mack Hall

- Room: Mack 307

- **Dinner, Awards & Keynote**: 5:00PM-7:30 PM Milano Ballroom

- **POC:** Jessica Arnell Mack 418 Amellj@Norwich.edu

The Challenge

The Amazon Trusted AI Challenge aims to enhance the safety, reliability, and trustworthiness of LLMs powering AI-assisted software development tools. With the rise of generative AI coding assistants, these technologies demonstrate unprecedented innovative capabilities and offer exciting opportunities to ensure responsible and reliable use.

This challenge looks to inspire developers, scientists and researchers to create solutions that enhance AI-assisted coding tools' ability to protect users and systems.

The Business Case – Continued…

Assignment Highlights:

- **Proposed Solution:** Describe your security feature, including its functionality and how it integrates with the existing model. Develop an automated system to detect and prevent a code-generating language model from producing malicious code, such as code that could enable denial of service attacks, malware, or ransomware.

- **Implementation Plan:** Outline the steps required to implement this feature, including any necessary modifications to the model architecture.

- **Testing Methodology:** Explain how you would test the effectiveness of this security feature against potential threats.

- **Expected Outcomes:** Discuss the anticipated impact on reducing malicious code generation.

Additional Assignment Requirements Located in Business Case Handout

The Business Case – Continued…

Rules

1. Each team presents using a PowerPoint presentation (be creative), a sample template will be provided by 3/10/25. **Presentation are due Monday, March 31,2025: amellj@Norwich.edu**
2. Presentations must be approved by your team advisor prior to submission.
3. No spectators allowed in the room during the competition unless approved by the judges.
4. Presentation rules:
   a. All team members must be present for initial presentation.
   b. Students can make assumptions about the challenge: however, their assumptions must be explicitly addressed in their presentation.
   c. Students are allowed access to non-human resources to answer the case (public records, third party data, etc.)
   d. Students cannot collaborate, borrow, or otherwise take material from another team.
   e. Dress for this competition is business casual.
5. Each team has 12 minutes to present their findings.
6. The team has 5 minutes for a question and answer session.
7. Judges will then give the team 2-3 minutes of feedback.

We will evaluate teams based on 5 key areas

Team Name_____   Judge's Name_____

Score	1 Unacceptable	2 Fair	3 Good	4 Very Good	5 Excellent
Description	• Demonstrates no understanding of the material • Work is incomplete, inaccurate and poorly organized	• Demonstrates a limited understanding of the material • May have significant errors	• Demonstrates a basic understanding of the material • Work is mostly complete and accurate but may be poorly organized	• Demonstrates a good understanding of the material • Work is complete, accurate and well organized	• Demonstrates a basic understanding of the material • Work is complete, accurate and well organized and shows creativity and originality
Case Study Depth of understanding Clarity of the problem statement					
Solution Presentation- Ability to articulate the model's features and response behaviors					
Technical Merit Evaluate the technical soundness and rigor of the proposed solutions. Assess the efficacy of the algorithms, models, or systems developed to address the challenge					
Presentation Style Responses to Questions Team Dynamics					

April 3rd
High-Level Event Schedule

Time	Activity
8:45 AM	Judges & Students arrive
9:00 - 11:30 AM	Team Case Presentations*
11:30 -12:30 PM	Lunch
12:30 - 4:00PM	Team Case Presentations
4:00 - 5:00PM	Judge Deliberations
5:00 - 7:30PM	Dinner, Keynote & Presentation of Awards

*NOTE!
For those who are not participating in the GenAI challenge, you are welcome to bring an electronic/digital version of your resume to share with AWS recruiters during the hours of 9 AM to 4 PM.

Starting March 15, we will assign coaches to teams

Coaching Approach

- 1 coach per 2 teams
- Coaches will set up 1-2 meetings as needed
- Time and Meeting information to be confirmed
- More information to follow

Vijay
vganap@

Reginald
regjjohn@

Tierra
jetierra@

Illustrative Only

Dinner and Keynote Speaker

Team Prizes   **1st Place = $1200**   **2nd Place = $1000**   **3rd Place = $800**

Keynote Speaker
To be announced

Time/Location: 5 PM-7:30 PM Milano Ballroom

Things to Know

- Teams are asked to display professionalism by dressing in business casual attire
- Each team will be assigned a 25 minute pitch sessions
    - 15 Minutes to pitch
    - 5 Minutes questions from judges
    - 5 Minutes to Respond to questions
- Timers have been instructed to be very strict. Teams will be given a 2 and 1 minute left warning throughout the pitch and cut off at exactly 15 minutes. At that point, the team is required to stop unless the judges state that they can finish their sentence, thoughts, etc.
- Judges will provide verbal and written feedback during and after each round.
- Notecards are allowed, but not recommended. Teams will be judged on preparedness.
- This event will be closed to the general public