

Seneca POLYTECHNIC

2024 Housing Hackathon - Finalist



Badge Awarded to

Heungbin Oh

This badge will be awarded to the Housing Hackathon Finalist who, in addition to achieving the goals of the Participant, will also have successfully developed one of the top solutions for their selected challenge, met the judging criteria, and have been chosen by the event sponsor as one of the finalists.

#Award-winning #Creativity #Innovation #Problem-solving #skills #Tech

Issued on 2024-03-25

Issuer



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Seneca Polytechnic is a multiple-campus public college located in the Greater Toronto Area of Ontario, Canada. It offers full-time and part-time programs at the baccalaureate, diploma, certificate and graduate levels.

Criteria

The recipient of this badge has demonstrated the ability to:

- Identify the problem that needs to be solved. This involves researching and understanding the issues faced by various stakeholders, such as users, customers, employees, and other parties who are affected by the problem.
- Define the scope of the problem and prioritize the requirements that the solution must meet. This includes functional requirements (what the solution must do) and non-functional requirements (how the solution must perform).
- Develop a functional system that includes a user interface, data organization, logic, processes, behaviours, security, and privacy to bring their vision to life.
- Use various approaches, tools, and strategies to model the system's behaviour and structure.
- Produce a mock-up solution, a prototype system, or a proof of idea/technology to demonstrate their solution.
- Effectively communicate their innovation to stakeholders and the judging panel using appropriate communication strategies.
- Adhere to the professional and ethical requirements of the hackathon while working on their solution.

By providing evidence of the following:

- Create a short video (typically 5 minutes) that provides an overview of their project, explains the design choices they made, demonstrates how the solution works and shares any lessons learned during the hackathon (for virtual participants only).
- For in-person participants, they will present their project in person, will be given a set amount of time (e.g. 5-10 minutes) to deliver their presentation to the judges or audience. During the presentation, participants will provide an overview of their project, including any goals they had for the project and how they approached designing and building their solution. They will also demonstrate how their solution works, highlighting any key features or functionality.
- Use a version control system (such as GitHub) to manage and share all the artifacts and code they create during the hackathon. This makes it easier for others to review and evaluate their work.
- Provide live code, prototypes, mock-ups, or use case stories that showcase the key features of their solution. This helps the judges and other participants better understand the solution and its potential impact.
- The judging panel typically consists of topic experts who evaluate each project based on specific criteria, such as the viability of the solution (i.e., how well it solves the problem), the level of completion (i.e., how much of the solution was implemented), the quality of the presentation (i.e., how well the solution was communicated), and the level of novelty (i.e., how innovative and unique the solution is).
- Active participation in event social media and collaboration with event organizers and team members.

And by reflecting on the entire process through the following:

- Reflection Questions: Ask participants to think about the hackathon skills they learned, how they can apply them in their present or future jobs, and how the experience has affected their personal and professional development.
- Peer Feedback: Encourage participants to give each other comments on their work. This technique encourages teamwork and allows participants to

consider their career goals.

- Post-Hackathon Discussion: Lead a group discussion about the participants' learning experience, its relevance to their workplace goals, and any challenges they had. Participants would reflect on their learning and express their thoughts in this discussion.

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