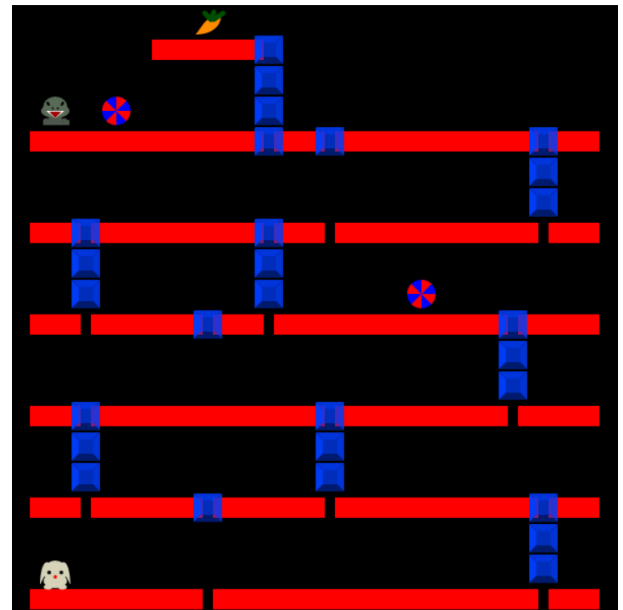# *You can be a* GameChangineer
Free Online Learning Club

Middle- and High-School students, would you like to learn about the logic behind popular video games, artificial intelligence, and problem solving? If so, this free 6-week online learning club is for you! Based on the Artificial-Intelligence enabled design and education platform (https://gc.ece.vt.edu) from Virginia Tech, we will create video games and the AI behind popular video games such as **Downhill Ski, Target Kick, Pacman, Donkey Kong**! The system helps each student bring his/her design to fruition! No prior programming knowledge is necessary!

Key concepts students will learn to:

- Write clear instructions
- Reason logically and critically
- Compose AI behavior for game characters
- Algorithmic & Systems thinking
- Problem-solve various scenarios
- Diagnose errors efficiently
- Learn CS concepts of decomposition, object-orientation, algorithms, ...
- Cultivate growth mindset
- Create, play and share games

Instructor: Prof. Michael Hsiao, Virginia Tech

Meeting times: Tuesdays, February 23 – March 30, 4:00 – 5:00 p.m. (Eastern Time)

To register: https://forms.gle/egVNfg7fSSHDwiNW7

If you are a person with a disability and desire assistance or accommodation, please notify the Mecklenburg Extension Office at (434)-738-6191/TDD*) during business hours of 8:00 am and 5:00 pm. *TDD number is (800) 828-1120.