

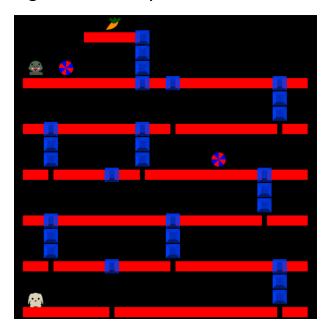


You can be a GameChangineer Free Online Learning Club

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 6week online learning club is for you! Based on the Artificial-Intelligence enabled design and education platform (<u>https://gc.ece.vt.edu</u>) 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.

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