



Online Summer Camp FREE! Introduction to Coding for Game Development

This summer the Voinovich School of Leadership and Public Service is offering a **3-week Appalachian STEM Enrichment Academy (ASEA) online summer camp** for **high school students grades 9-11** focusing on computational literacy via game design.

This program is intended to help promote computational literacy for students in Ohio's Appalachian counties.

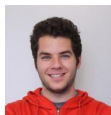
All 6 sessions meetings will be held online and students will be tasked with an extended learning activity between sessions. **Limit of 12 students.**

Students will:

- Learn computational thinking skills,
- Play with coding syntax in two different coding languages: Scratch and Python.
- Gain confidence in their independent-learning capabilities

All lessons are FREE on the ASEA webpage!
www.appalachianstemacademy.org

INSTRUCTOR



Dustin Goetz
*Southeast Ohio Native! Ph.D. Candidate,
U.C. Santa Barbra, Mechanical Engineering*

CO-FACILITATORS

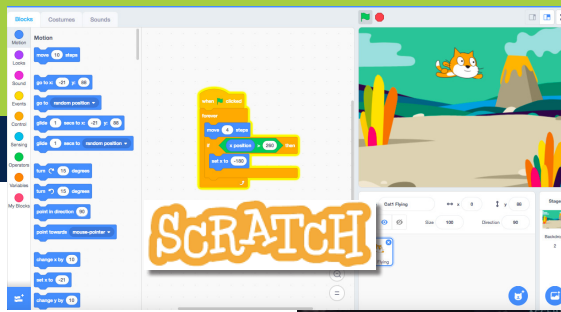
Ohio University's Voinovich School of Leadership and Public Service, Appalachian STEM Enrichment Academy



Elkan Kim
*Senior IT Project Manager and
Computer Software Engineer*



Jen Bowman
Director of Environmental Programs



All sessions from meet from 12:00 – 2:00 p.m. EDT

WEEK 1

June 5 **Session 1: Build a Jumping Game using Scratch**
Scratch coding, conditional statements and loops

June 8 **Session 2: Build a Platformer Game using Scratch**
Variables and objects

WEEK 2

June 12 **Session 3: Build a Fighting Game using Scratch**
Variables and objects

June 15 **Session 4: Build a Text-Based Game using Python**
Python file structure, syntax, commenting code

WEEK 3

June 19 **Session 5 Build a Drawing Game using Python**
Python libraries (Pygame, etc.) and game loop

June 22 **Session 6: Build a Breakout Game using Python**
Object-Oriented Programming and game physics



FREE! REGISTER NOW!

Questions? bowmanj2@ohio.edu



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