Teach Coding Using Scratch in Minecraft: Education Edition

Client:

- Jeff McKune (Microsoft, Minecraft) jeffmck {at} microsoft {dot} com

Project:

Teachers around the world are using Minecraft: Education Edition to transform their classrooms and bring school subjects to life, from STEM and history to math and language arts. Minecraft: Education Edition provides hundreds of standards-aligned lessons, classroom-friendly features, tutorials and downloadable content.

Minecraft: Education Edition (MEE) offers an engaging platform for computer science education, with features designed to help students learn to code and apply coding across STEM subjects. Today we have a set of learn to code curriculum for educators to teach foundational computer science concepts. We would like to integrate Scratch 3.0 into the MEE platform.

MEE has an extensible coding platform called Code Connection. This project will leverage web technologies (React, Scratch, Blockly) to create a full featured block based learn to code environment using Scratch 3.0 (on one of the world's most popular coding environments). In addition, the team will need to implement a web landing page for students to manage (create, read, update, delete, share) their Scratch code. Time permitting, the team can create a set of Minecraft integrated Scratch curriculum.

Team Size:

- 4-5

Skills:

- Web Programming (JavaScript / HTML)
- GIT

- Learn to Code Curriculum Development

Location:

- Remote