EECS 598

Technologies to Optimize Human Learning

Instructor: Xu Wang (xwanghci@umich.edu)
https://web.eecs.umich.edu/~xwanghci/
Time: MW 1:30pm-3pm, Remote
Prerequisites: Graduate standing; or permission from instructor

Block-based programming

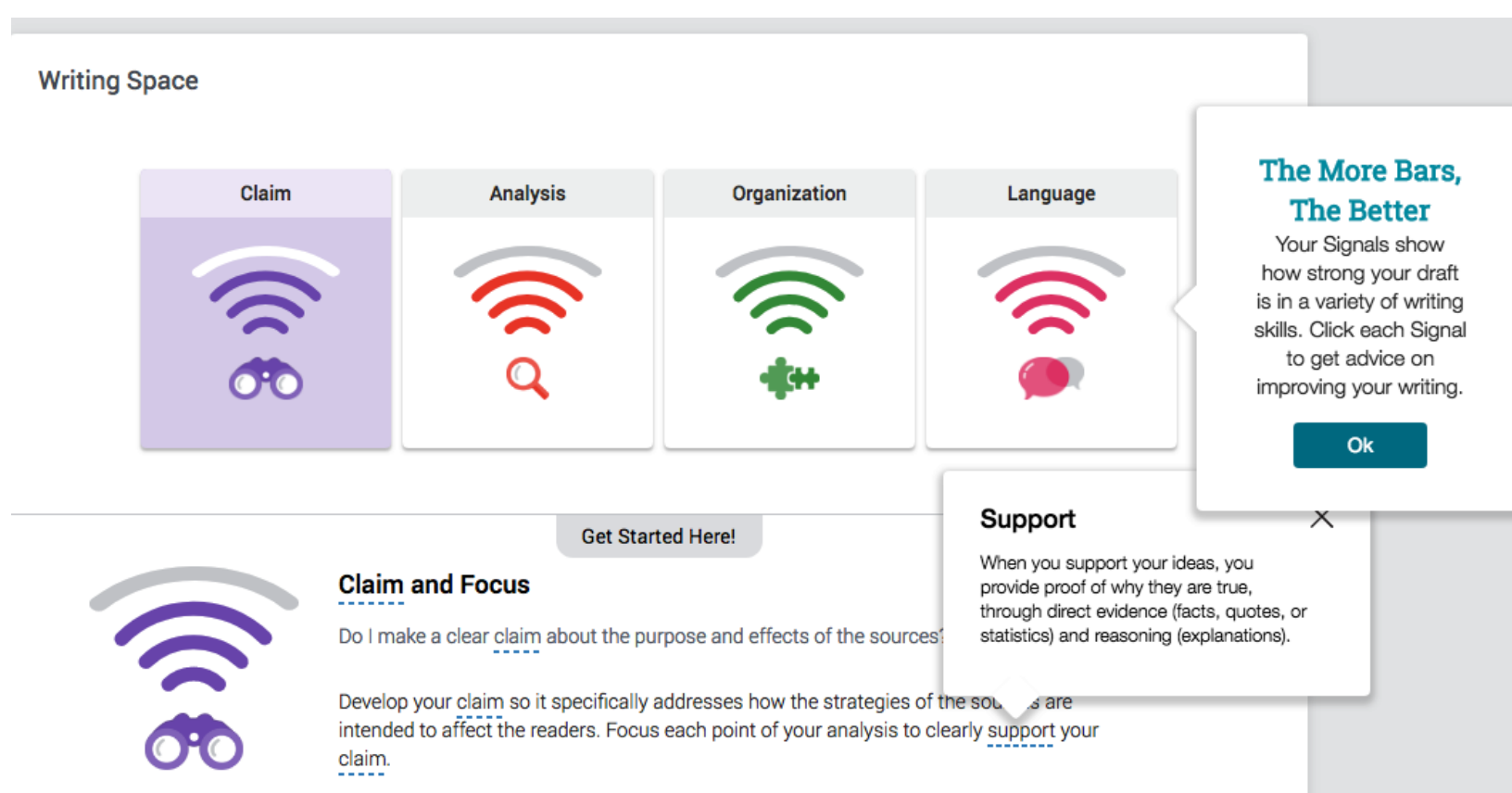Culturally congruent pedagogical agents

AR to augment teaching

Classroom sensing with computer vision

A feedback system for student essays

Auto-generate educational materials

The advances in computing have changed the ways people learn. In this seminar, we will review **educational technologies** that draw a wide range of techniques from Augmented Reality, Computer Vision, Natural Language Processing, Crowdsourcing, etc. We will also discuss how these systems are guided by **theories of how humans learn** and the **HCI methods** used to design and evaluate them.

Join our discussion to build the next generation of educational technologies!