The CyberAnthill is both a generative sculpture and a Live Computational Sculpting (LCS) system that uses a 3D printer and custom software to build plastic sculptures out of layered cellular automata. As the title alludes to, the cellular automata are inspired by Langston’s Ant and the light cycle racers in the cult 1980's science-fiction movie Tron. Instead of the normal process of printing exacting, predetermined 3D models, the 3D printer generates its plastic forms by running unpredictable computer code, shown below. Lines of code are highlighted and then executed on demand, part of a process called livecoding.

https://github.com/pixelpusher/liveprinter