

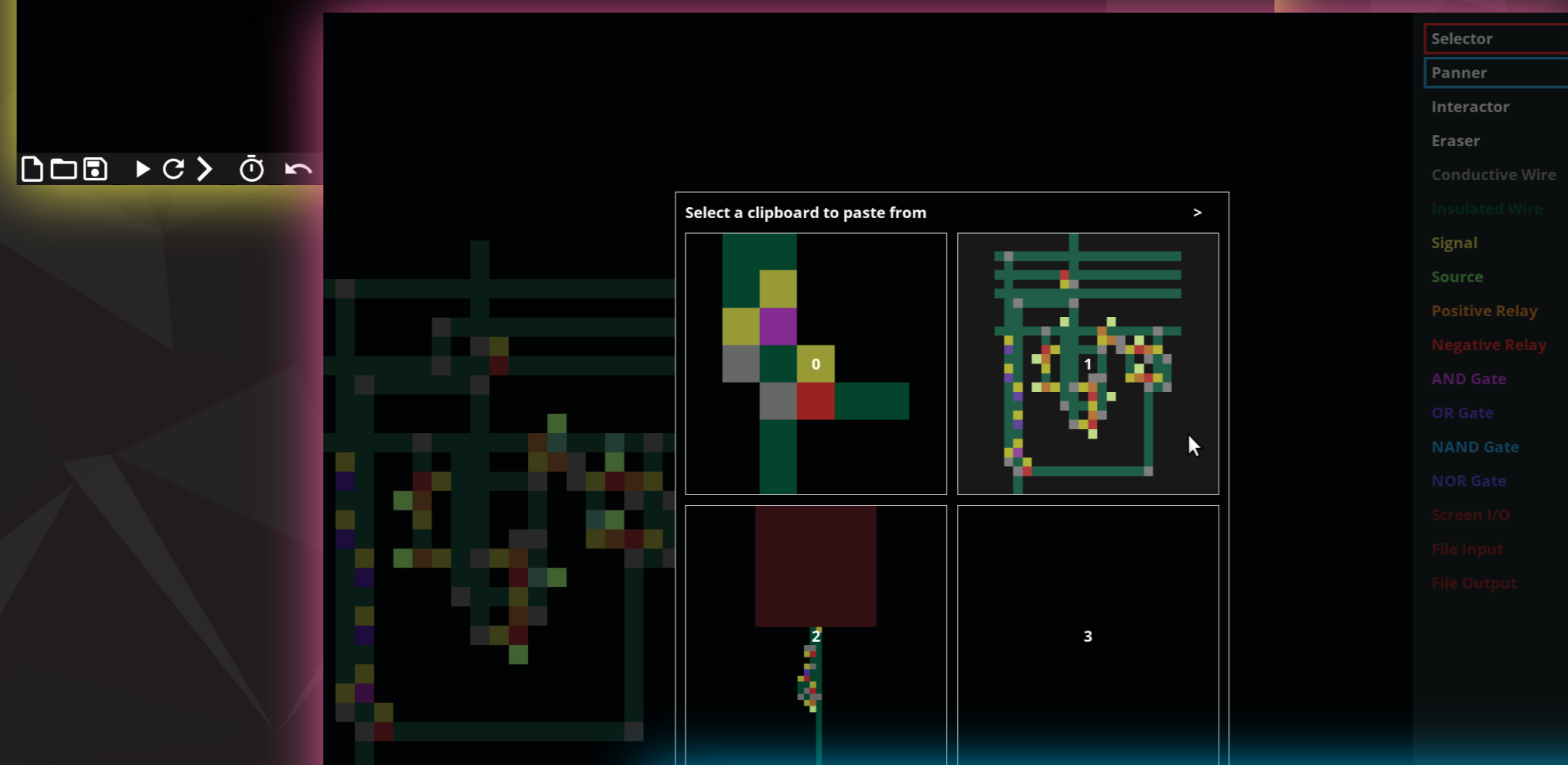
CIRCUIT SANDBOX

Design, build and run any circuit. You are only limited by your imagination.



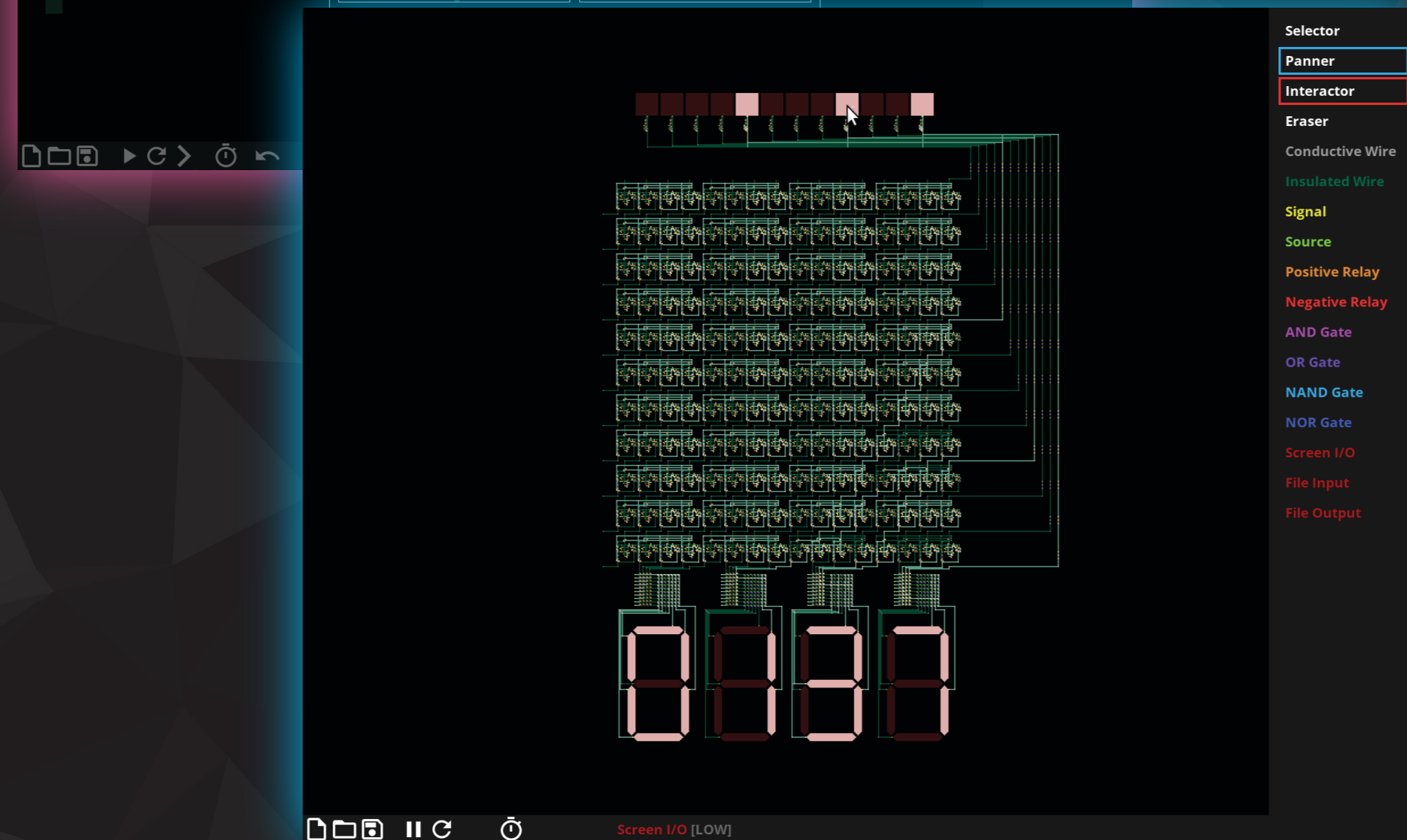
DESIGN

Circuit Sandbox makes it painless to experiment with digital circuits. Tinker with simple circuit parts and prototype your designs with ease.



BUILD

Circuit Sandbox provides a powerful editor with many thoughtful features designed for efficiency and usability. Materialise your circuit designs as swiftly as you can think of them.



RUN

A fast and efficient simulation engine powers Circuit Sandbox. Build vast and intricate circuits and watch your creations come to life!

Features:

- Logic gates and relays as primitive components
- Circuit components enabling bidirectional communication with the screen and external files
- Unlimited working area
- Intelligent selection tool
- Multiple clipboard instances shared across all instances of Circuit Sandbox
- Unlimited undo history
- Save and load circuit files
- In-game Beginner Mode
- Fast and efficient simulation
- Smooth rendering even on 4k UHD monitors with high refresh rate
- Configurable simulation speed
- Many editing shortcuts for making circuits quickly

Technical Highlights:

- Separate simulation, rendering, and file I/O threads, designed to almost always communicate in a wait-free manner
- GPU texture streaming for smoothest rendering even on 4K displays
- Platform-specific shared memory for shared clipboard buffers
- Compilation of circuit to a graph representation

Download now!



<https://github.com/btzy/circuit-sandbox/releases>



Built by **Bernard Teo Zhi Yi** & **Kuan Wei Heng**