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Elevator Pitch: Wood Burning Laser Engraver

Our project is a wood burning laser engraver. It will be capable of recreating digital grayscale images on a piece of wood. It will allow us to work with laser diodes and create a tangible byproduct to be used for decoration. We will use a pulse width modulation to determine image contrast and a type of machine code called G-code to determine position. A Tiva-C Microcontroller will drive the system. Our end goal is for engraved images to be recognizable reproductions of the original grayscale digital images.