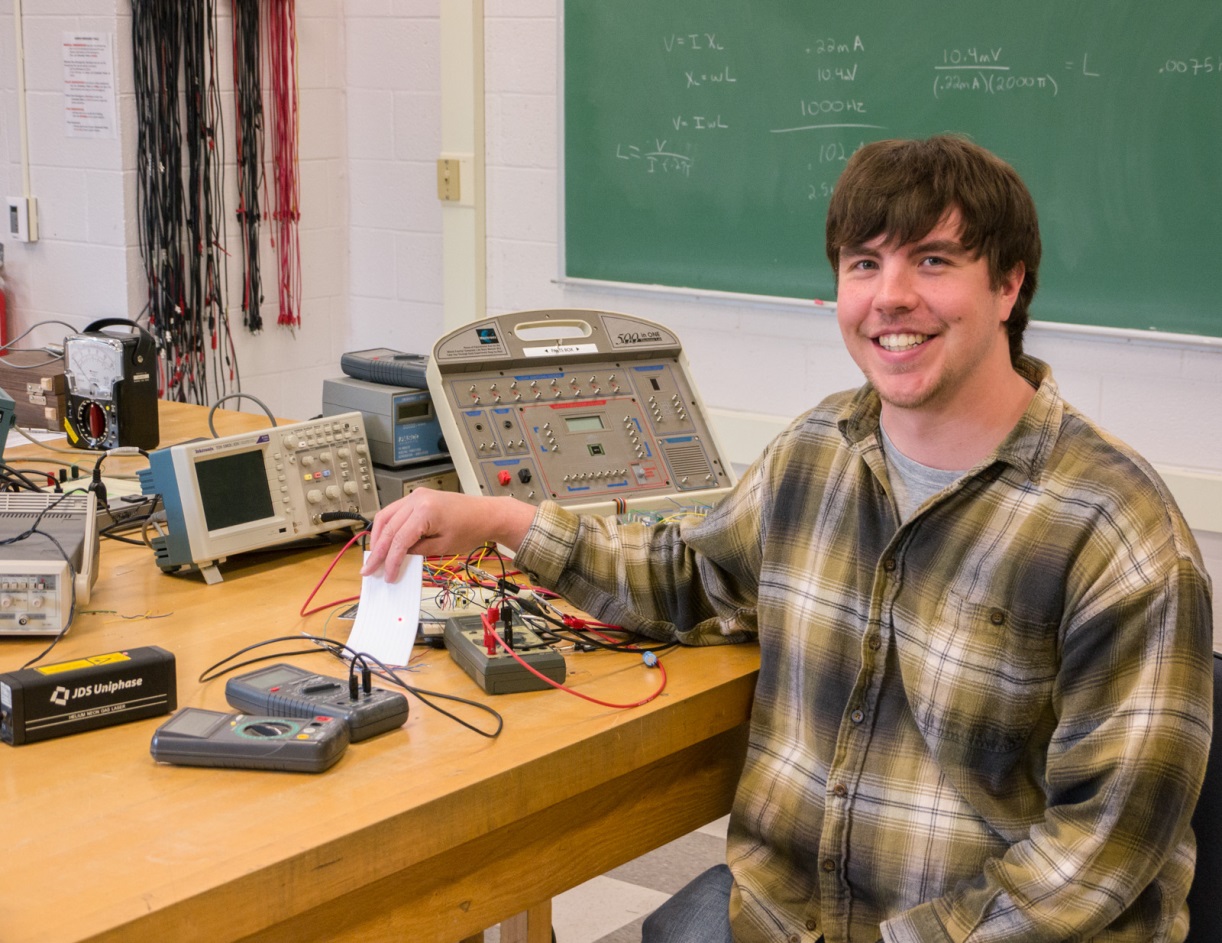
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**Laser Harp** (2013)

John Savastinuk

Advisor: Dr. Tariq Gilani

Invented by Bernard Szajner in 1981, the laser harp uses the breaking of light beams to elicit musical tones. By using a photodiode in photoconductive mode and an inverter, the lack of the laser hitting the photodiode triggers the circuit. The inverter uses a PNP transistor with a Sziklai pair. An RLC oscillator is attached to produce a musical pitch at a certain frequency.