

# Andrew Lykken

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<https://patho.us>

I am an Eagle Scout with great work ethic and a passion for designing and building products for any application. I work especially well with electronics, including circuitry and coding. I am exceptional at visualizing problems with criteria in mind.

## Experience

**Feb. 23 2021 – Aug. 14 2021**

**CREW CHIEF, SERVICE COORDINATOR, Discount Tire Company**

Worked on vehicles while ensuring safety and quality standards were met. Led teams of tire changers, balancers, and installers. Pulled and organized inventory. Talked to and helped customers when issues arose. Helped other employees when needed.

## Education

**August 2017 – May 2021**

**CORE 40 WITH ACADEMIC HONORS, Carmel High School**

4.08 / 4.0 GPA, Focused on engineering courses, high-level physics and calculus, and computer science.

**August 2021 - Current**

**Electrical Engineering, Purdue University**

3.3 GPA, focused on microcontrollers and hardware-level electrical aspects.

**Recipient of Alan K. Miller Engineering Scholarship (2021)**

## Personal Projects

**Personal Website (2019)** – Hand-coded to represent myself and to serve as an archive for things I have done.

**LED Acrylic Clock (2021)** – Designed and built a clock using laser-cut acrylic illuminated by LED strip lights to form a nixie tube-esque clock. Also known as Lixie clock.

**Brass Battery (2022)** – SLA battery with AC output and USB headers, encased in a steampunk styled enclosure with etched brass plates and finished wood and movable gears.

## Skills & Activities

- High work ethic and motivation
- Experience with CAD
- Proficient programmer in C, Java, C++
- Experience with the prototyping process
- Eagle Scout
- Passion for making projects a reality
- High level of creativity and insightfulness
- Involved heavily in music & performance

