#### Yilan Liu

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## **EDUCATION**

## The University of Chicago

Bachelor's of Science in Mathematics, Computer Science (Theory specialization)

Chicago, IL June 2023

#### **CAREER OBJECTIVE**

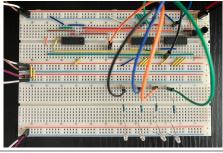
Seeking an **engineering position** in the **electronics industry**.

I started my college career attending a B.S./M.D. (combined bachelor's and medical school) program with a full ride scholarship at a small state school in Florida. However, one year in, I realized I was deeply unhappy studying medicine and the life sciences as a whole. I decided to transfer schools to the University of Chicago, where I went on to graduate with degrees in math and computer science.

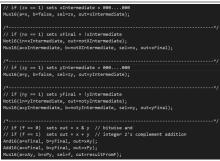
Upon graduation, I decided to try something completely new and go into the film industry, which I have always had an interest in. Without meaning to, I found myself immersed in the "G&E" (Grip & Electric) subset of the industry, which concerns itself with lighting and the rigging of lights. It was there that I got hands-on with taking apart, fixing, and putting back together various electronics and hardware. Working with electronics at such a primitive level reignited my interest in computer science / physics, particularly as it relates to **digital logic circuit design**, **low-level computer architecture**, and **embedded systems**. You can find some of the projects I've done in these areas below.

## **PROJECTS**

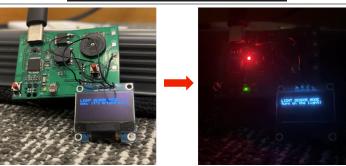
4-bit Counter on Breadboard



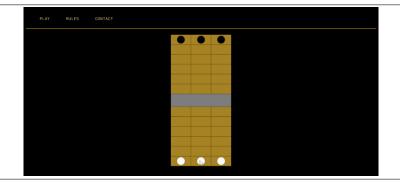
Constructing a Computer with <u>HDL</u>



**Study Companion PCB** 



<u>"River Game"</u> (Web Browser Game)



# **WORK EXPERIENCE**

# Film Equipment Shop & Repair Department

*Lux Lighting - Film Equipment Rental House* 

- Take care of the entire life-cycle of repairing a film/stage light sent into our shop, from:
  - diagnosing the issue(s) based on documentation provided by the vendor's engineering team, to
  - providing technical support and ordering the necessary replacement part(s) from the vendor, to
  - communicating to the customer the service their light will receive and other recommendations we have, to
  - executing the repair (usually a board swap or housing replacement).
- Service LED lights for brands like Aputure, ARRI, Creamsource, Elation, and Rosco. Provide warranty service for Aputure, Elation, and Rosco.
- Receive trainings from vendors; certified with ARRI and Astera.
- Report to vendors on newly discovered issues and provide feedback for future iterations of their lights.

## Film Equipment Rental Coordinator

The Sodium Ranch - Film Equipment Rental House

- Interface with producers, DPs, gaffers, and/or other members of the production team to organize outgoing and incoming rental equipment.
- Interface with members of Local 817 to arrange for truck pick-up/return.
- Quality check equipment before they are packed on jobs.

#### **OTHER**

• U.S. Citizen

Brooklyn, NY Mar 2024 - current

Brooklyn, NY June 2023 - Mar 2024