



Prevail Design Systems, LLC, in Churubusco, IN, <https://prevaildesignsystems.com>, offers a wide range of products and services for electronic manufacturing, including prototyping, custom engineering, and contract manufacturing. They currently have an opening for a summer intern, potentially leading to part time work during the 2025 – 2026 academic year.

### POSITION DESCRIPTION

Summer Intern: This is an hourly position, and the hours are flexible.

Tasks to potentially include the following:

- Light electrical control manufacturing assembly
- Use of computer
- Website database
- automated testing
- Soldering iron use
- General electronics measurement tools
- Introduction to and operation of CNC machinery including
  - CO2 laser
  - CNC 4 axis mill
  - Robotic soldering CNC equipment
  - Smt pick and place equipment
- 3D printing
- FDM and resin UV printing
- PCB layout schematic software
- IOT systems troubleshooting
- UV inkjet printing
- Wire terminal machinery
- Overmold design and implementation
- Thermal chamber testing
- Sweeping the floor and taking out the garbage
- Inventory BOM management part procurement
- Design of power systems for driving ac and dc motor controls
- Solar charging systems testing
- RF field testing for simple key fob testing