Project ideas: 2024-25

projects: 2023+

- bus tag tracking
- AI server
- drones: IR, radio tracking
- radio license
- energy monitoring
- biodiversity satellites

Project ideas:

- Brain waves
- Fabrication: 3D printing, CNC, laser cutting, design
- **Earthquakes/seismology**
- Radio/space weather
- Virtual reality/augmented reality
- Drones: mapping, visualization, sensors
- Networking: wireless, security, servers
- **Arduino**
- **Raspberry pi**
- Energy monitoring/telemetry
- **Environmental monitoring-classrooms**
- Computer repair
- Aeronautics
- Machine learning/artificial intelligence
- Animation/blender
- NASA projects
- Home automation
- EEG/EMG biofeedback
- Astronomy/astrophysics
- **Acoustics**
- **SDR**

- **VR recording-modeling**
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- **Project ideas:**
- wind turbines
- antenna repair
- OBDII sensors
- astro/astrophysics-AAVSO
- EQ-shakenet, swarm
- EEG-emotiv
- SDR/radio/space weather-sdrdx
- AI/facial recognition
- machine learning
- VR/AR-scanning artifacts?
- animation/blender
- environmental monitoring/classrooms
- home automation
- acoustics
- cybersecurity red team-blue team
- energy monitoring/telemetry-skyspark EMC/mango
- wifi and networking
- Rπ
- arduino
- computer repair
- aeronautics

Tools-basics:

- VOM
- Cat5
- mac terminal
- ifixit
- rπ
- arduino
- 3d printer
- CNC machine

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