Emily Tran

// Electrical Engineering Intern

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> SUMMARY

Electrical and computer engineering student at The University of Texas at Austin graduating in 05/2027, with coursework in circuits, signals, MATLAB and C++. Tests power and monitoring boards, writes Python test scripts and updates AutoCAD drawings at a solar equipment maker. Brings attention to detail and clear written and verbal communication skills from lab reports and team projects.

> SKILLS

• Python • MATLAB • C++ • AutoCAD • Oscilloscopes • Microsoft Excel • Microsoft Word • Analytical Skills • Attention to Detail • Written and Verbal Communication Skills

> EXPERIENCE

Electrical Engineering Intern 05/2026 - Present

Hill Country Energy Controls Austin, TX

Internship with a maker of solar and battery monitoring equipment, part-time during the fall semester.

- Test **30** prototype monitoring boards a week with oscilloscopes, multimeters and power supplies against the test plan.
- Write Python scripts that read bench meters and log results to Microsoft Excel, cutting manual test time by 40%.
- Update AutoCAD wiring diagrams for 12 battery cabinet assemblies from engineer markups before each build.
- Present test findings at the weekly hardware meeting and file clear defect reports for the 6-person design team.

Electronics Repair Technician 09/2024 - 05/2026

Guadalupe Street Electronics Repair Austin, TX

Part-time job at a busy repair shop near campus, about 15 hours a week.

- Diagnosed and repaired 15 laptops, game consoles and audio amplifiers a week using multimeters and schematics.
- Replaced surface-mount parts and connectors under a microscope with a 95% first-time fix rate.
- Explained repair quotes and timelines to 20+ customers a day at the front counter and by phone.
- Organized a 1,200-part inventory in a shared spreadsheet so technicians could find any part in minutes.

> EDUCATION

Bachelor of Science 05/2027

The University of Texas at Austin Austin, TX

Electrical and Computer Engineering

> CERTIFICATES

IPC J-STD-001 Certified IPC Application Specialist 03/2025

IPC