

Chandler Friedman

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Summary

Hands-on prototype & manufacturing technician pivoting from IT into full-time electro-mechanical build work. Five years running World Gone Silent, a consumer products company where I designed, soldered, wired, programmed, documented, and shipped hardware kits—plus sourced components internationally. Recent portfolio builds include a touchscreen scoreboard, a soil-moisture monitor, and a stock/notification orb, showcasing 3D printing (FFF), electronics assembly, CAD (Fusion 360), test/debug with a DMM, and clear build documentation.

Core Skills

Electro-mechanical assembly • Soldering & wiring • PCB rework • Test/debug with DMM • Basic embedded programming (ESP32/Arduino) • 3D printing (FFF: PLA, PETG) • CAD (Fusion 360) • Enclosure design • Technical documentation • BOM creation • Part sourcing & vendor management • Rapid prototyping • Lab/shop organization

Projects

Scoreboard (ESP32 + Display) | 2025

Designed & assembled 3D-printed enclosure; integrated display + electronics. Developed/debugged embedded firmware with user-facing UI. Documented build process; released open-source repo.

Soil Moisture Monitor | 2025

Integrated capacitive sensor with ESP32-S3; programmed firmware for OLED display + Wi-Fi portal. Designed/printed custom enclosure in Fusion 360; iterated for fit/durability. Created build documentation & wiring diagrams.

Stock/Notification Orb | 2025

Designed LED-based info display using WS2812B rings + ESP32. Prototyped multiple enclosures with PLA, PETG; refined CAD models. Authored assembly documentation & GitHub repo.

Experience

Unison — Head of IT | 2024 – 2025 | Mountain View, CA

Implemented company-wide IT infrastructure (routers, servers, structured cabling). Built/maintained HPC build server for engineering team. Led vendor selection and deployment of Siemens NX + TeamCenter CAD. Designed & deployed secure A/V + collaboration setups. Created streamlined onboarding and cybersecurity training.

IT Consulting & Support (Various: Jones IT, LA Computer World) | 2023 – 2024

Provided IT services to startups, SMBs, and healthcare organizations. Troubleshoot systems across hardware, software, and networks. Created clear documentation of solutions and processes, mirroring build docs/test logs. Coordinated with vendors and suppliers, evaluating options and managing relationships.

Fake News Sniper — Founder | 2020 – 2023 | Los Angeles, CA

Managed small project team; delivered reports for Meta fact-checking program. Gained experience in database tools, content review, workflow optimization. Led trainings for internal/external clients.

World Gone Silent — Founder | 2015 – 2020 | Los Angeles, CA

Founded and operated a consumer ham radio products company focused on off-grid communication kits. Managed product lifecycle from concept through sales, fulfillment, and support. Soldered custom power packs and integrated components into complete kits. Tested and validated radios, cables, and antennas for performance. Sourced components domestically and internationally; coordinated with small-batch contractors.

Journalism (CNN, WINK-TV, KPNX-TV, WOFL-TV) | 2001 – 2015

Assignment Editor/Manager; earned Peabody Award. Led newsroom process improvements, training, and manuals. Skills: project coordination, documentation, working under deadline.

Education

Emory University — B.A. Psychology