

# Alexander Neff

Creative Technologist · Audio Engineer · Builder

Normal, IL · alexneffmgmt@gmail.com · 913-558-9718 · alexneff.dev · linkedin.com/in/alex-neff13

## SUMMARY

---

Creative technologist with a hybrid background across creative technology, professional audio engineering, and manufacturing operations. Built **MacroBox**, a custom Windows automation utility delivering **3-7x personal throughput gains at 99.9% accuracy** on Rivian's autonomy annotation pipeline. Self-produced a vocal track that reached the iTunes Hip-Hop chart. Open to full-time opportunities. Open to relocation and remote.

## EXPERIENCE

---

### Rivian Automotive — Production Operator, General Assembly Trim 1

Dec 2025 – Present

Normal, IL

- Rotated back onto the production line post-autonomy assignment, operating on R1T and R1S builds.
- Continuing to observe floor-level workflow bottlenecks and prototype tooling on personal time.

### Rivian Automotive — Data Annotation, Project Annotate (Autonomy)

Feb 2025 – Dec 2025

Normal, IL

- **Built MacroBox**, a custom Windows macro automation utility in AutoHotkey, on personal time. Deployed on the autonomy annotation pipeline. Delivered **3-7x personal throughput gains at 99.9% accuracy**.
- Documented the methodology, the range of measured gains, and the operator-fluency curve.
- Escalated quality concerns to engineering; collaborated on validation workflows.

### Rivian Automotive — Team Member, General Assembly Trim 2

Mar 2023 – Feb 2025

Normal, IL

- Consistent quality on assembly operations; diagnosed bottlenecks in material staging and flagged equipment issues preemptively.
- Certified to operate R1T and R1S production vehicles.
- Recognized with **Rivian Employee Recognition Award (January 2025)** for manufacturing quality excellence.

### Studio Kai Music Group — Audio Engineer / Content Editor

Dec 2021 – Mar 2023

Fox River Grove, IL

- Engineered multi-track sessions and produced commercial releases, including a **vocal track that charted on iTunes Hip-Hop**.
- Ran livestream productions with custom soundboards, overlays, and real-time transitions.
- Real-time hardware and software troubleshooting under session deadlines.

### Freelance — Audio Engineer / Music Producer

Aug 2017 – Present

Normal, IL

- Self-produced vocal work and client mixes; consistent repeat business across multiple years.
- Cross-platform signal chain work; format compatibility; mastering for release.

## EDUCATION

---

### Illinois State University — B.A., Creative Technology

2017 – 2021

Normal, IL

- Interdisciplinary program bridging design, media production, and emerging technology.
- Foundation in digital media, sound design, and creative problem-solving across tools.

## KEY PROJECT · MACROBOX

---

- ★ **Impact:** 3-7x cycle time reduction, 99.9% accuracy preserved, ~66% fewer hours on the automated sub-task. Example sequence: 30.14s by hand → 6.34s with MacroBox.
- ★ **Build:** AutoHotkey on Windows. Zero dependencies, zero install friction. Features raw input recording with timing preservation, named slots with hotkey rebinding, live visual feedback, and STOP safety combo.
- ★ **Delivery:** Built solo on personal time. Deployed on Rivian's autonomy annotation pipeline. Documented methodology and measured gains honestly as a range.

## SKILLS

---

**Audio:** Pro Tools, Logic Pro, Ableton Live, mixing, mastering, vocal production, livestream soundboard

**Programming:** Python, JavaScript, AutoHotkey, HTML, CSS, Git, GitHub, cloud/VPS basics

**AI-native:** Claude, ChatGPT, Cursor, prompting, agent-assisted development

**Operations:** Cross-functional collaboration, training, documentation, studio client comms, R1T/R1S certified

## RECOGNITION

---

- ★ Rivian Employee Recognition Award (January 2025) — manufacturing quality excellence
- ★ iTunes Hip-Hop chart placement — self-produced vocal track