

Nathan Reyna

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EDUCATION

The University of Texas at Austin - BSECE in Electrical and Computer Engineering

2024-2028

WORK EXPERIENCE

DELL Technologies - Computer Architecture + Software Engineering Intern

May 2026 - August 2026

- **Built a first-of-its-kind AI tool using Devin's AI Engineering Tool from scratch using Python and large language models** that reads raw component datasheets, extracts critical specs, and **instantly generates production-ready PCB footprints and schematic symbols** - replacing a process with a 3rd party vendor that previously took 3 months
- **Solved a complex multi-domain problem** requiring expertise python development, AI integration, technical document parsing, PCB manufacturing standards (heavily familiar with IPC-7351B), and electronic design automation - delivering outputs accurate enough with near-perfect reliability
- **Solved custom Python conversion pipelines** to transform generated outputs into Cadence-compatible formats, creating a seamless end-to-end workflow from raw datasheet to production-ready library parts with no manual intervention
- **Eliminated a critical bottleneck in the hardware development lifecycle by bringing component library creation to our team**, cutting reliance on costly external vendors and unblocking engineering teams waiting on parts to begin board design

DELL Technologies - Computer Architecture Intern

May 2025 - August 2025

- **Applied Cadence Allegro PCB Editor to high-level board design, gaining hands-on schematic/layout** experience while working alongside senior system architects and PCB engineers
- **Researched NVIDIA Blackwell 1000/2000 GPU and NPU architectures** for Dell's Pro Max Plus mobile workstation line, analyzing performance trade-offs and future technology trends
- **Collaborated with the CTO's team and Marketing** to align technical capabilities with customer use cases, shaping product vision and assessing potential market impact

YETI - Data Analyst Intern

June 2024 - August 2024

- **Developed and validated a comprehensive weather dataset** that drove both immediate and long-term business value
- **Delivered key weather insights and analyses to senior stakeholders**, influencing strategic decision-making relating to ad optimization

BUSINESS PROJECTS

Galindo's Towing & Transport - Software Contractor

May 2026 - Present

- **Built Command Post, a custom software solution Cloudflare-native web app** consolidating accounting, payroll, and operations for a \$1.2M revenue company
- **Built CCR module with role-based access control**, evidence preservation (SHA-256), and automated audit logging across 50+ database tables
- **Engineered integrated Finance module automating payroll tax calculation**, GL posting, and cash custody—replacing manual spreadsheet workflows

LEADERSHIP & COMMUNITY SERVICE

UT Austin Society of Hispanic Professional Engineers (SHPE) - Professional Development Director

Mar 2026 - Present

- **Designed and implemented a scalable CRM-based corporate sponsorship and alumni outreach strategy** for a 400+ member engineering organization, generating **\$17,000+** in sponsorship revenue within three months
- **Managed the Professional Development Committee and coordinated initiatives** with 4 committee chairs across corporate outreach, workshops, and member engagement

TECHNICAL SKILLS

Computer Programs: Cadence Allegro PCB Editor, Excel, Google Cloud Platform, Google Ads, Solidworks, Devin/Windsurf

Programming Languages: Python, Javascript, SQL, C, Assembly, ARM, Java, CSS, HTML

