

# Daniel Arwood

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## EDUCATION

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### University of Texas at Austin

Electrical and Computer Engineering

Aug 2020 - Dec 2023

Austin, TX

*Courses: Electrical Engineering, Computing Systems, Calculus, Embedded Systems, Linear Algebra, Physics*

## PROJECTS

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### EE319K Embedded Systems Competition - 1st Place Team

Jan 2022 - June 2022

- Engineered control interface using 2 button inputs and slide potentiometer parts, designed and implemented resistor ladder R-2R DAC sound output, programmed with C
- Secured 1st place goal, as recognized by students and instructors: [youtu.be/5KiK1XPraAA?t=28](https://youtu.be/5KiK1XPraAA?t=28)

## EXPERIENCE & INVOLVEMENT

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### DHL Supply Ferrara Candy Company Warehouse

Warehouse Picker/Packer

Apr 2024 – May 2024

Irving, TX

- Collaboratively worked in a warehouse team environment, managing the unpacking, inspection, and assembly of hundreds of 77-box pallets stocked with 12 lb product boxes
- Boosted 7-high pallet stack stability and security during transport by 25% for initial project
  - Achieved a 75% reduction in project time frame, accelerating 2 month estimate to 2 weeks
- Clarified member roles and mediated communication, increasing team productivity and operational execution

### Chambers Nursery Garden Center

Nursery Worker & Shipment Accounting

Jun 2023 - Aug 2023

Irving, TX

- Revised product pricing strategies, calculating wholesale costs causing 10% increase in profit margins
- Streamlined inventory management of over 300 plant varieties resulting in 15% total cost reduction
  - Operated Excel-based data systems for soil inventory, improving tracking accuracy in warehouse shipping operations
- Devised a new implementation of sprinkler/shading schedule in communication with team of 4
  - Identified unhealthy plant patterns and increased plant survival rates by 30%

### Christ Church Irving

Camera Operator, Media Technician & Homeless Shelter Team Volunteer

Oct 2017 – Jul 2021

Irving, TX

- Monitored live video feed production, lighting technology, and radio communications to deliver high quality low-latency live streaming to 200+ congregants weekly
- Facilitated homeless shelters through cleaning, table organization, and waste management; provisioned 100 meals daily

## ADDITIONAL

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**Technical Skills:** C/C++, LTSpice, Microsoft Office Suite: Excel, Word, PowerPoint

**Languages:** English (native), Spanish (fluent)

**Interests:** Intermediate guitar, music composition, skateboarding, DIY electronics

**Awards:** National Honor Society, Outstanding Musician Wind Ensemble, All-City/Region/Area