

## Contact

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## Top Skills

Critical Thinking  
Construction Modeling  
Spatial Awareness

## Certifications

Generative AI Fundamentals  
Introduction to Generative AI  
Reality Capture Foundations for AEC  
Construction Technology: Industry Snapshot

## Publications

Navigating the future of AEC Technologies

# Chandler Hopkins

Aspiring Reality Capture & 3D Scanning Professional | Learning LiDAR, Photogrammetry & AEC Tech | Open to Remote Projects & Mentorship

La Vergne, Tennessee, United States

## Summary

Revised Version: Clean, Professional & Impactful  
Reality Capture | Photogrammetry | LiDAR | 3D Scanning

I specialize in Reality Capture, photogrammetry, and 3D scanning, focusing on how LiDAR and digital workflows are transforming the AEC industry. My passion lies in capturing and digitizing real-world environments to improve construction, infrastructure, and historical preservation.

### Hands-On Technical Experience

I have worked with RealityCapture, Metashape, CloudCompare, and FARO SCENE to process high-resolution photogrammetry models and LiDAR point clouds. My expertise extends to using 360 cameras, drone imagery, and advanced reconstruction methods like NeRFs and Gaussian Splatting to enhance visualization and data accuracy.

### Bridging AEC & Digital Innovation

With experience in blueprint reading, concrete testing (ACI), and site analysis, I bring a practical understanding of construction workflows. I am eager to integrate AI, automation, and digital twins into Reality Capture solutions, driving innovation in the built environment.

### Current Focus & Career Goals

I am actively exploring opportunities in:

- # Reality Capture & 3D Scanning for AEC
- # LiDAR Mapping & Digital Twins
- # Photogrammetry for Construction & Infrastructure
- # Property Preservation & Safety Monitoring Technologies

I am always open to collaborating, learning, and connecting with professionals in the AEC, geospatial, and Reality Capture industries.

Let's discuss how emerging technologies can drive efficiency, accuracy, and innovation in the built world!

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## Experience

### Estes Express Lines

#### Operations Shift Leader

January 2021 - Present (4 years 7 months)

United States

As a Shift Lead at one of the nation's top privately owned LTL freight carriers, I oversee the efficient execution of overnight dock operations and linehaul logistics in a high-volume, time-sensitive terminal environment.

I lead and motivate a team of dock associates and certified forklift operators, ensuring all freight is loaded and unloaded accurately, safely, and within strict dispatch windows. My role demands precision in coordinating freight flow, managing real-time trailer assignments, and upholding compliance with OSHA regulations and internal equipment safety protocols.

I routinely monitor and verify:

Trailer weight distribution for safe over-the-road transport

Freight segregation for load optimization and route alignment

Hazmat classification and documentation to meet DOT and safety compliance standards

### Love Farms & Nursery

#### Nursery Manager

January 2019 - November 2021 (2 years 11 months)

McMinnville, Tennessee, United States

Experienced and dedicated professional with a proven track record in managing a wholesale B&B nursery, specializing in evergreen, ornamental, and shade trees. Skilled in overseeing around 100 heads of cattle and operating a wide range of equipment including skid-steers, tractors, and trucks. Possess excellent organizational, communication, and leadership skills with a passion for horticulture, propagation, and agriculture. Committed to ensuring the growth and success of the nursery by providing quality plants and ensuring efficient and effective operations.

Jarrett Builders, Inc.  
Assistant Project Manager  
October 2016 - April 2017 (7 months)  
Murfreesboro, Tennessee

Ingram Content Group  
Stocker  
January 2016 - August 2016 (8 months)  
Lavergne

Kroger  
Meat Clerk  
May 2012 - August 2015 (3 years 4 months)  
Smyrna, Tennessee

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## Education

Middle Tennessee State University  
Construction Management · (May 2023)