

## Contact

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(LinkedIn)

## Top Skills

Artificial Intelligence (AI)  
Swift (Programming Language)  
Google Cloud Platform (GCP)

## Languages

JavaScript (Professional Working)  
Python (Full Professional)  
C/C++ (Professional Working)  
Swift (Full Professional)  
Java (Limited Working)  
C# (Limited Working)  
SQL (Professional Working)

## Certifications

Bleeding Control (BCON)  
Beginning Splunk  
Text-Based Apps with ChatGPT  
Introduction to Incident Command System, ICS-100  
ICS-300: Intermediate Incident Command System for Expanding Incidents

## Publications

Monitoring Breathing Activity and Sleep Patterns Using Multimodal Non-Invasive Technologies  
What is the Point of Mobile Systems? New Technology for Students

## Patents

Profiling pallets and goods in a warehouse environment  
System and method for sensing and computing of perceptual data in industrial environments

# James Staud

Engineer, Leader, Designer, and Entrepreneur with a passion for people and building highly effective teams and marketable products.  
Fort Worth, Texas, United States

## Summary

Innovating and building new products and solutions is my passion. I pride myself in my creative process and my ability to bring a team together to tackle any challenge.

I'm a developer, leader, friend, teammate, and cancer survivor.

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## Experience

undisclosed  
1 year 2 months  
DevOps Architect  
January 2024 - Present (9 months)

Sr. Systems Engineer  
August 2023 - January 2024 (6 months)

Staud Design  
Owner  
August 2022 - Present (2 years 2 months)  
Fort Worth, Texas, United States

Staud Design is a design-centered art studio where art, design, and manufacturing meet to provide aesthetic and unique functional artwork for home and garden use.

VelocityLok LLC  
Owner  
January 2020 - Present (4 years 9 months)  
Fort Worth, Texas, United States

As the owner and operator of the exclusive marketing, sales, and distribution partner for the VelocityLok line of apparel products, I am responsible for marketing efforts, eCommerce distribution, wholesale distribution, and sales efforts. I'm also responsible for all R&D efforts outside of our apparel business

including markets such as Software Defined Radio, Home and Garden, and Optics.

## Cloud 9 Perception, Inc.

6 years 10 months

VP, Cloud Architecture and Development | Co-Founder

June 2023 - August 2023 (3 months)

Fort Worth, Texas, United States

Working in this role I am responsible for architecture and construction of a more scalable iOS-centric AI vision platform focused on a larger market to perform large data extractions and synthesize the data for consumption by enterprise ERP software and by humans. This effort was/is a ground-up development using both distributed cloud and edge computing methodologies.

I develop(ed) and deploy(ed) a scalable highly optimized cloud API using redis queues, microservice architecture, relational databases, and container orchestration.

VP, Platform Architecture & Development | Co-Founder

September 2022 - June 2023 (10 months)

Fort Worth, Texas, United States

As Vice President of Platform Architecture and Development, I directed my attention towards full stack platform development, backend design and implementation, microservice development, and iOS app development to employ our advanced AI. My responsibilities were to ensure that the CEO's intent for our platform was executed on time while maintaining stability, security, scalability, and Efficacy.

Additionally, alongside our amazing team members, I managed production deployments, lifecycles, and generated tasks for the rapid and stable implementation of our newest flagship product NeuralStack: A powerful new platform for accelerating automation in warehousing and distribution through the convergence of physical, human-driven tasks with their digital twin.

VP, Engineering Design | Co-Founder

June 2020 - September 2022 (2 years 4 months)

Arlington, Texas, United States

In my role as VP, Engineering Design, I managed software teams, assisted in software development, and played a key role in building technical aspects of sales proposals. I also engaged in business development, marketing efforts, and research and development for new products. Additionally, I

facilitated design sprints to prepare for the launch of our flagship product line, NeuralStack.

#### VP of Engineering | Co-Founder

November 2018 - June 2020 (1 year 8 months)

Arlington Texas

As C9P moved into a larger product development and support phase, I took on responsibilities focused on ensuring project success and managing the product development life cycle.

I architected, designed, planned, and managed the production of a patented multi-sensor machine vision based pallet perception system. Taking a concept from paper to production was no small feat and it took an amazing team of developers to make it happen.

As the VP of Engineering my responsibilities were:

- Plan for and manage key project milestones
- Lead the system architecture process
- Manage the entire vendor network for hardware and software
- set up and manage production equipment and partners to produce a highly complex industrial grade electro-mechanical system.
- Implement good aesthetic design and branding into the product
- Build and execute an installation plan
- Maintain key customer relationships and interface with stakeholders for project reports and decision making
- Manage the project budget and organize all aspects of the deployed product.

In this role, I worked closely with the CEO and operated under his direction while also acting as both a liaison and advisor to the technical aspects of the business.

#### CEO | Co-Founder

November 2016 - November 2018 (2 years 1 month)

Dallas/Fort Worth Area

As one of 2 Co-Founders and the CEO, I focused on raising capital, expanding our product line, building a crackpot development team, and employing marketing and sales strategies to bring in business.

Responsible for taking the company from pre-seed to seed stage. Organized the R&D, production, testing, and logistics of computer vision AI products. I set

the milestones and development goals for our software efforts and put systems in place for streamlining team communication and collaboration.

Being a fairly young tech founder, I quickly learned a multitude of complicated skills and concepts that are key to any business such as:

- marketing strategies and building a brand
- B2B business development and sales
- proposal generation and contract negotiations
- financial planning and forecasting
- team building and goal setting
- resource management
- production and project management
- HR & Hiring

Responsible for bringing in sales and contracts and ramping up a development effort from research mode to development mode.

## Gozova

### CTO | Co-Founder

June 2015 - August 2017 (2 years 3 months)

Dallas/Fort Worth Area

As a technical founder, my responsibilities were to get the business software off the ground. Gozova was an uber-like business model focused on moving goods from C2C and B2C. Our mobile applications started out as a hybrid application in order to quickly support both iOS and Android platforms.

My work at Gozova consisted of:

- Spearheading the early versions of our mobile apps
- Building our website and backend web apps
- Assisting the CEO with marketing projects

## WRHOWELL, LLC

### Software Development Manager

November 2015 - August 2016 (10 months)

My main responsibilities were leading a team of talented developers, guiding them in designing, implementing, and testing down-hole pump system control software. Being part of a startup, I took on additional responsibilities as a project manager, overseeing progress and task assignments. Despite my managerial duties, I remained hands-on by taking on development and architectural tasks to support the team in meeting tight deadlines.

During my tenure at WRHowell, I successfully completed several projects that showcased my skills and versatility. Some highlights include:

- Building a simulator system for Down-hole Pump System Operator training using Disti and Qt frameworks
- Programming PLCs to interact with a ZeroMQ control system.
- Creating and testing an acceptance test program to ensure the full capability of a component from an exterior vendor upon receipt.
- Collaborating with a team member to develop and test two touch-capable graphical user interfaces, enabling comprehensive system control and visualization.
- Implementing version control systems and agile methodologies for efficient project management.
- Programming a PIC microcontroller to facilitate communication between a pump system and the publisher subscriber system control software.
- Integrating Atmel microcontrollers to automate manual testing procedures involving human interaction with knobs, levers, and encoders.
- Utilizing CUDA to optimize the data acquisition and filtering code.
- Designing and managing the development of a web application for client contract development in the downhole pumping domain.
- Leading the development of an e-Commerce web application for product sales.
- Assisting in the development of a high voltage pump control circuit.

My ability to balance managerial responsibilities with hands-on development work allowed me to make valuable contributions and drive innovation within the team.

## University of Texas at Arlington

### Undergraduate Research Assistant

August 2014 - August 2015 (1 year 1 month)

in the Heracleia Human Centered Computing Laboratory. Engaged with multiple research projects targeted to improve physical and mental therapy and rehabilitation as well as general human-computer interaction research. I was an instrumental contributor and developed/presented two white papers on the following that were accepted into the PETRAE and ASSETS conferences in Greece:

Lead project on Kinect V2 interior foot traffic analyzation system that was able to track the time spent near objects of importance in a room for behavior analysis

Lead project on Human gesture recognition API to make gesture, posture, and body-language recognition easier in computer applications and robotics  
Website building and maintenance for various websites  
Education research into success of project based courses  
Camera and pressure pad based system to analyze and prevent sleep apnea through a mobile application and web interface  
Assisting on various projects involving the Barrett Arm, TALOS Arm, LEAP Motion, Oculus Rift, Vicon MOCAP system, Intersense CAVE System, and Kinect systems

## BLACK OPTEX LLC

Optoelectronics Engineer

September 2013 - September 2014 (1 year 1 month)

1135 South Airport Circle Euless, TX 76040 USA

As an optoelectronics engineer my responsibilities include assisting with developing digital vision systems, assisting the company president with implementing technologies, developing specialized products, and managing the company's digital presence.

## JFStaud Enterprises

Owner and Developer

April 2007 - April 2013 (6 years 1 month)

Fort Worth, TX

Developed for R&D projects related to IR based structured light sensors and processing/utilizing 3D data.

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## Education

The University of Texas at Arlington

Bachelor's Degree, Computer Engineering · (2011 - 2015)

Tarrant County College

· (2008 - 2015)