

Business Description for OPT Self-Employment

Legal Name: Yanbo Guan
Business Name (DBA): Jason Guan Technologies
Business Type: Sole Proprietorship
Employer Identification Number (EIN): 39-4756952
Business Start Date: October 7, 2025
Registered Location: Wake County, North Carolina, USA
NAICS Code: 541511—Custom Computer Programming Services

1. Overview

Jason Guan Technologies is a sole-proprietor business specializing in web application development and data analysis services. The business provides technical consulting, backend system development, and data-driven insights for small businesses and individual clients. Its mission is to help organizations transform raw data into actionable intelligence and deploy scalable web applications that automate workflows.

2. Services Provided

The business primarily focuses on web application development, data processing and analytics, automation, and technical consulting. Services include full-stack web app development using Django, FastAPI, and React; RESTful API design; ETL data pipelines; and data visualization.

3. Tools and Technologies

Python, JavaScript, SQL, Django, FastAPI, React, PostgreSQL, AWS, Docker, GitHub, Pandas, NumPy, Scikit-learn, and Power BI.

4. Relation to Degree (OPT Requirement)

This self-employment is directly related to my Master's degree in Electrical and Computer Engineering (ECE) at Duke University. My academic training in software systems, data engineering, and algorithmic analysis are applied in daily business activities, including backend development and data processing.

5. Employment Structure and Activity

Employment Type: Self-employment under F-1 OPT authorization. Hours per week: 20+ (full-time).
Role: Software Engineer / Independent Developer. Status: Actively engaged in project development, client communication, and product delivery.

6. Business Timeline

September 2025 - The entity was established for tax and administrative purpose
October 7, 2025 - Business entity registered and EIN issued for tax purposes, began active work under OPT self-employment authorization.
October–December 2025 - Expanded business operations by establishing the company website and developing a demonstration project to showcase web application and data analytics capabilities.
January 2026 onward - Expanding data processing and web automation consulting services.

7. Compliance Statement

Jason Guan Technologies is operated in full compliance with the F-1 OPT self-employment guidelines. The business engages in professional software engineering and data analysis services directly related to my field of study. The entity was established in September 2025 for administrative purposes, and active self-employment commenced on October 7, 2025.

Prepared by: Yanbo (Jason) Guan

Duke University, MEng in Electrical & Computer Engineering

Date: October 2025