

# Samuel Dotson

Currently residing in the Chicago Area

615 - 970 - 2061  
samdotson1992@gmail.com

## EXPERIENCE

### **Routeware (acquired Rubicon), Fully Remote**

Sep 2024 - Dec 2024

- Continuation of Rubicon Global duties, focusing on backend development.

### **Rubicon Global, Atlanta, GA / Fully Remote — Data Scientist**

Nov 2018 - Sep 2024

- Backend app development using Flask and FastAPI
- Led the POC for a new database solution for vehicle telematics data.
- Implemented data streaming to a custom API using Kafka.
- Video classification using computer vision techniques and machine learning with Python
- Vehicle routing optimization with ArcGIS
- Maintained stored procedures PowerBI backend
- Using Python to manage files in AWS S3.
- Debugging Linux based IoT devices
- Oversaw the annotation process of images in collaboration with external teams.
- Refactoring legacy Java code for new applications

### **Southern Company Gas, Atlanta, GA — GIS Analyst**

Jan 2018 - Nov 2018

- Re-engineering data management processes.
- Writing Python tools for ArcGIS.

## EDUCATION

### **Tennessee Technological University, Cookeville, TN — Professional Science Masters in Environmental Informatics**

Graduated in Dec 2016

Coursework - GIS, Data Mining, Statistics, Python, Environmental Social Policy

### **Tennessee Technological University, Cookeville, TN — Interdisciplinary studies (GIS and natural sciences)**

Graduated in May 2015

Coursework - GIS, Ecology, Statistics, Remote Sensing, Cartography

## SKILLS

Python: pandas, sklearn, numpy, cv2, boto3, Flask, FastAPI

Docker

AWS: EC2, S3, Rekognition, OpenSearch (Elasticsearch), DocumentDB (MongoDB)

Linux

SQL: MySQL, MS SQL Server

NoSQL

Git / GitHub

Basic web development: JavaScript, CSS and HTML

Machine Learning

PowerBI

Data mining

Working in an agile development environment

JIRA / Confluence

Excel: pivot tables

Data visualization: Matplotlib

Writing documentation

GIS: ArcGIS, QGIS

Kafka

Java

