

ANTHONY S. OLIVIERI (Ollie)

DATA SCIENCE & ENGINEERING

CONTACT

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🌐 anthonyolivieri.com

EDUCATION

M.S. Applied Data Science

Syracuse University

2017 - 2019

SKILLS

- AWS Cloud Architecture
- Python
- Flask
- Postgres
- Java
- Information Security
- AWS CLI / Boto3
- Statistical Analysis
- Google Cloud (GCP)
- Machine Learning
- Tensorflow / Keras
- Deep Learning
- Docker / Container Registry
- Git / GitLab (CI / CD)

ASSOCIATIONS

IEEE, American Statistical Association, Special Olympics, Syracuse iSchool Ambassador

EXPERIENCE

SOFTWARE ENGINEER II (DATA / CLOUD ARCHITECTURE / AI)

ROADBOTICS | PITTSBURGH / REMOTE | 2019 - PRESENT

Lead architect of a data-intensive ETL pipeline and AI (machine learning / deep learning) suite on AWS, saving over \$100k in the first year.

Streamlined redundant business processes via data mining, analysis, visualization and reporting; shifting labor-hours to higher priority goals. Analyzed images to reduce human interaction with data upload pipeline. Collaborated with engineering director & team to improve recruitment.

- Parallelize / containerize data ingress via Docker and AWS Batch
- Store datasets, training artifacts, and Tensorflow models for reproducibility
- Persist and expose data via REST API of Flask / Postgres / EC2 / S3
- Applied machine-learning models (Random Forest, XGBoost) and statistical analysis (Cohen's Kappa, Kolmogorov-Smirnov) to report on business processes
- Analyzed images for Blind/Referenceless Image Spatial Quality Evaluator (BRISQUE), perceived brightness, sharpness, and contrast
- Deploy / test semantic segmentation Mask RCNN / COCO detection model
- Refactored hiring take-home test and simplified interview structure to save over 12 hours per candidate

SOFTWARE ENGINEER (PYTHON / DJANGO)

BLACKHAWK NETWORK | PITTSBURGH / REMOTE | 2017 - 2019

Collaborated on projects for multi-million-dollar platforms giftcards.com and cashstar.com.

- Python, Django, Flask, Java
- MySQL, RabbitMQ, AWS CLI (S3, EC2 Bastion), Jenkins, Bitbucket

SOFTWARE DEVELOPER (PHP)

SMALL FARM CENTRAL | PITTSBURGH | 2016 - 2017

- Symfony, Doctrine, MySQL, VueJS

JAVA ENGINEER

CELERITY / HIGHMARK | PITTSBURGH | 2016 - 2016

- WebSphere, Spring, Maven, Oracle