

BRAULIO ARREDONDO

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OBJECTIVE

Cloud Engineer with 4+ years of experience in AWS, CI/CD, IaC and Kubernetes and a 5+ years as a highly skilled software developer in Python, Deep Learning, Machine Learning and Data Science seeking for full-time roles.

EXPERIENCE

Cloud Operations Engineer @ Southwest Airlines Feb 2021 - Present
Softtek *Remote*

- AWS Cloud Services Administrator, Site Reliability Engineer, Python Developer and Incident Troubleshooter for more than 500 cloud accounts of the world's largest low-cost carrier. Daily activities consist in dev operations, API development, pipeline automation, cloud support and monitoring.
- CI/CD · Terraform · Cloudformation · Troubleshooting · API Development · Monitoring · Infrastructure as code (IaC) · Amazon Web Services (AWS) · Python · Docker · Kubernetes · Grafana · Jenkins · Gitlab · Automation

Jr. Research Fellow Jan 2019 - Dec 2020
CONACyT *Monterrey, Mexico*

- Funded Jr Researcher for a cloud classification project of breast, colon and lung cancer histopathological images using Deep Learning and Machine Learning techniques. Project developed using Python, Pytorch, Keras, Pandas, Sci-Py and Scikit-learn, performed on Google Cloud and AWS services. More than 95% of accuracy for tissue classification using Keras CNN. More than 90% of accuracy for tissue classification using 5 computer vision techniques and 10 ML techniques.
- Convolutional Neural Networks · Machine Learning · Google Cloud Platform (GCP) · Deep Learning · Python

EDUCATION

Master of Science MS, Computer Science, Tecnologico de Monterrey Grade 9.6/10
Member of the Bioinformatics Research Group, CONACyT Full-ride Scholarship Award

Bachelor of Information Technology, Universidad de Guanajuato Grade 10/10
Outstanding Student Award

LICENSES & CERTIFICATIONS

DevOps with Docker , University of Helsinki, Certificate ID: [56c728eb326ae](#)

Containers, K8s and Istio on IBM Cloud , IBM, Badge ID: [wlkiAn4i](#)

AZ-900: Microsoft Azure Fundamentals , Microsoft, Certiport ID: [wNJYM-2FqG](#)

AWS Certified Cloud Practitioner , AWS, Badge ID: [bef76c68e394](#)

AWS Knowledge: Networking Core , AWS, Badge ID: [448b199a57de](#)

Google Grow: Cloud Computing , Google, Certificate ID: [DS8 4NF NY8](#)

PUBLICATIONS

Histopathological Image Classification using Deep Learning (Nov, 2021) (repositorio.tec.mx)

This thesis presents a study of digital pathology classification using and combining several techniques of machine learning and deep learning.

A Further Search for Galactic Stars with Double Radio Lobes (Jun, 2017) (arxiv.org)

Further search for double-lobed radio stars in two samples of spectroscopic stars: over 20,000 white dwarves from the Sloan Digital Sky Survey and 2.5 million stars from the Large Sky Area Multi-Object Fiber Spectroscopic Telescope.