

# Ahmed Tchagnaou

DATA ENGINEER · SOFTWARE ENGINEER · CLOUD ENGINEER

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## Experience

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- CGI** *Tours, France*  
BIG DATA CONSULTANT *Since Aug. 2022*
- Analysis of customer requirements and existing solutions
  - Design of data integration and transformation solutions
  - Implementation of data integration, transformation and restitution processes
  - Perform tests and code reviews
  - Analysis of production incidents
  - Back-documentation of existing solutions
- Umanis** *Tours, France*  
DATA ENGINEER - INTERNSHIP *Jan. 2022 - July 2022*
- Designed data integration solutions
  - Built pipelines for integrating data from different sources into a data hub
  - Built data transformation and restitution pipelines
  - Integration testing
- Graduate Research, University of Tours(Prof. Dominique Li)** *Blois, France*  
RESEARCHER *Sep. 2021 - Jan. 2022*
- State of the art of sentiment analysis and text classification techniques with machine learning
  - Developed a toolbox to perform text classification :Daxmod
- ORTECH Intelligent Systems** *Blois, France*  
SOFTWARE ENGINEER - INTERNSHIP *June. 2021 - Aug. 2021*
- Designed a system with the micro-services architecture for a monitoring application
  - Created a REST API for user's management and administration with Flask
  - Created a web application with React for the REST API
- Manstrict Consulting** *Paris, France*  
CLOUD ENGINEER - INTERNSHIP *June. 2020 - July. 2020*
- Configured an on-premise cloud based on Openstack
  - Designed and configured a virtual network
  - Created and configured a virtual machine to serve as a web server
- DCN Technologies** *Lomé, Togo*  
SOFTWARE ENGINEER - INTERNSHIP *June. 2019 - Sep. 2019*
- Designed a system for a school management platform
  - Created a web application using PHP with Laravel, Bootstrap, and JQuery for the school platform
- CERGI SA** *Lomé, Togo*  
SOFTWARE ENGINEER - INTERNSHIP *June. 2018 - Oct. 2018*
- Designed a database for user management platform
  - Created a web application using C# with ASP.NET MVC, Bootstrap, and JQuery

## Skills

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- Web Development** Flask, React, Svelte, Sass
- Machine Learning** Scikit-Learn, Tensorflow
- Cloud Computing** AWS, Azure, Openstack
- Programming** Python, SQL, R, Java, JavaScript
- Big Data** Talend for Big Data, Hadoop, Yarn, Hue
- Others** Git, Github, Docker

## Certifications

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- Azure AI Engineer Associate** *Microsoft*  
AZURE, MACHINE LEARNING, ML OPS *June. 2024*
- Skills and knowledge required to design and implement an Azure AI solution using Azure AI Services and Azure Open AI.

## Azure DevOps Engineer Expert

Microsoft

AZURE, DEVOPS, CLOUD, CI/CD

Feb. 2023

- Skills and knowledge to combine people, processes and technologies to deliver valuable products and services that meet end-user needs and business objectives.

## Azure Data Scientist Associate

Microsoft

AZURE, MACHINE LEARNING, ML OPS

Jan. 2022

- Skills and knowledge to apply Azure machine learning techniques to train, evaluate, and deploy models that solve business problems.

## Machine Learning with Python

Jovian

SUPERVISED LEARNING, PYTHON, SCIKIT-LEARN

August 2021

- An introduction to supervised machine learning, decision trees, and gradient boosting using Python and Scikit-learn.

## Education

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### University of Tours

Blois, France

MSC. IN BIG DATA MANAGEMENT AND ANALYTICS

Sep. 2020 - Aug. 2022

- Business Intelligence : Data Warehousing, Reporting
- Data Management : Big Data, Data Mining
- Artificial Intelligence : Pattern and image recognition (Computer Vision), Natural language processing (NLP)

### University of Tours

Blois, France

BSC. IN COMPUTER SCIENCE

Sep. 2019 - May 2020

- Web and Mobile apps development
- Database Management Systems
- Algorithms

### IAI (Institut Africain d'Informatique)

Lomé, Togo

B.S. IN SOFTWARE ENGINEERING

Oct. 2016 - Aug. 2019

- Programming and Software Engineering
- Database management and administration
- Network