

France Du Pont

# France Du Pont

Software Engineer & Computer Scientist | AI Enthusiast | Recent Graduate

in [linkedin.com/in/francedupontficticio](https://www.linkedin.com/in/francedupontficticio)

g [github.com/francedupont](https://github.com/francedupont)

✉ [dirección de correo electrónico eliminada]

☎ (123) 456-7890

## About

Highly motivated and recently graduated Software Engineer and Computer Scientist from the Université de Technologie de Compiègne (UTC) with a specialization in Artificial Intelligence. Passionate about leveraging AI, particularly Natural Language Processing (NLP), to create innovative solutions. Proven ability to develop and implement complex machine learning models, as demonstrated by my research and publications. I have a particular interest in text classification and its applications.

Beyond my technical skills, I am a firm believer that technology should be used to make the world a better place, focusing on ethics, transparency, and accountability. Outside of work, I enjoy bouldering, reading (fantasy, biographies, and AI-related non-fiction), board games (especially strategy games like Catan and 7 Wonders), and exploring different cuisines. I'm also a huge anime fan (\*My Hero Academia\*, \*Attack on Titan\*, and \*Fullmetal Alchemist: Brotherhood\* are favorites!), and I appreciate the artistry of Studio Ghibli films. My eclectic taste in music ranges from classical to electronic, and I'm currently learning to play the ukulele.

## Education

### Master of Science in Computer Science, Specialization in AI

Université de Technologie de Compiègne (UTC), Compiègne, France

September 2022 - June 2024

GPA: 4.8/5.0 (equivalent)

Thesis: "Optimizing Multilingual Text Classification Models Using Transformer Neural Networks"

## Bachelor of Science in Computer Engineering

Université de Technologie de Compiègne (UTC), Compiègne, France

September 2019 - June 2022

GPA: 4.7/5.0 (equivalent)

## Experience

### Research Assistant

Laboratoire de Recherche en Intelligence Artificielle, UTC

January 2023 - June 2024

- Developed and implemented Transformer-based text classification models for hate speech detection, achieving a 15% accuracy improvement over baseline models.
- Collaborated with a research team to design experiments, analyze results, and co-author publications.
- Presented research findings at two international conferences.
- Utilized Python, TensorFlow, PyTorch, Hugging Face Transformers, and Scikit-learn.

### Summer Research Intern

CNRS (Centro Nacional para la Investigación Científica), Laboratorio de Informática de Grenoble.

June 2022 - August 2022

- Worked in a project that applied deep learning for combinatorial optimization problems.
- Developed a prototype using Python.

## Publications

### A Cross-Lingual Approach to Hate Speech Detection Using Transformer Networks

Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP)

Du Pont, F., Dubois, A., & Leclerc, J. (2024)

### Improving Text Classification Accuracy with Data Augmentation and Transfer Learning

Proceedings of the 17th International Conference on Artificial Intelligence Applications and Innovations (AIAI)

Du Pont, F., & Dubois, A. (2023)

## Projects

### Fake News Classifier

Developed a text classification model using NLP techniques to identify fake news online. (GitHub: [github.com/francedupont/fake-news-classifier](https://github.com/francedupont/fake-news-classifier))

### Movie Recommendation System

Created a movie recommendation system using collaborative and content-based filtering.

### Multilingual Text Classification Model

Code and data of my master thesis.

## ★ Skills

Python Java C++ SQL TensorFlow PyTorch Hugging Face Transformers

Scikit-learn

Keras

Pandas

NumPy

NLP

MySQL

PostgreSQL

MongoDB

Git

Docker

Jupyter Notebook/Lab

VS Code

AWS (Basic)

GCP (Basic)

★ Awards and Honors

Beca de Excelencia Académica

Universidad de Tecnología de Compiègne. (2019-2024)

First Place

Hackathon Regional de Inteligencia Artificial. (2023)

★ Languages

French

Native

English

Fluent (C1)

Spanish

Intermediate (B2)