

# Cristian Stinga

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Nationality: Romanian | Age: 21

## EDUCATION

### Bachelor of Applied Data Science & Artificial Intelligence

Breda University of Applied Sciences (2022 - 2026)

### High School Diploma

"Mircea cel Batran" National College (2018 - 2022)

- Mathematics-Informatics class ranked the second best in all of Romania
- Baccalaureate Diploma grades: Mathematics: 9.05/10, Informatics: 9.15/10

## PROJECTS

### CV in Plant Phenotyping • Netherlands Plant Eco-phenotyping Centre (NPEC) Nov 2023 – Jan 2024

- Built and tested computer vision models for identifying plant segments from photos using a neural network architecture.
- Developed a complete pipeline for analysing plant images, including a root detection, measuring root lengths, and providing junction coordinates.
- Tested virtual environment for automating plant inoculation with a liquid handling robot, developing a wrapper and controllers, laying the groundwork for full automation.
- Achieved an IoU score of 0.8 for a root detection model, exceeding the client's requirement of 0.5
- Delivered a comprehensive technical paper to NPEC, detailing the integration of AI and robotics in plant phenotyping.

### Emotion Classification System • Banijay Benelux

Feb 2023 – Apr 2023

- Designed and implemented an advanced NLP system to analyse and classify emotions in TV show content, particularly for "Expeditie Robinson".
- Built a scalable, end-to-end system that converts audio to text and identifies six core emotions utilizing state-of-the-art NLP techniques.
- Delivered a comprehensive technical report to Banijay Benelux detailing the integration process and including recommendations.

## TECHNICAL SKILLS

**Programming languages:** Python (preferred), R, C++

**Data Analysis:** Power BI, Matplotlib

**Data Science & AI:** Pandas, NumPy, SQL, Excel, Scikit learn, TensorFlow, Keras, PyTorch, OpenCV, SpaCy, NLTK, PySpark

**Cloud:** Azure ML, Docker, Weight & Biases

**Other Technologies:** Visual Studio Code, Git, GitHub, Anaconda, Azure DevOps, LaTeX

## ACCOMPLISHMENTS

Certificate in Advanced English (C1) – Cambridge Assessment English

Mar 2022