Applied Scientist Internship
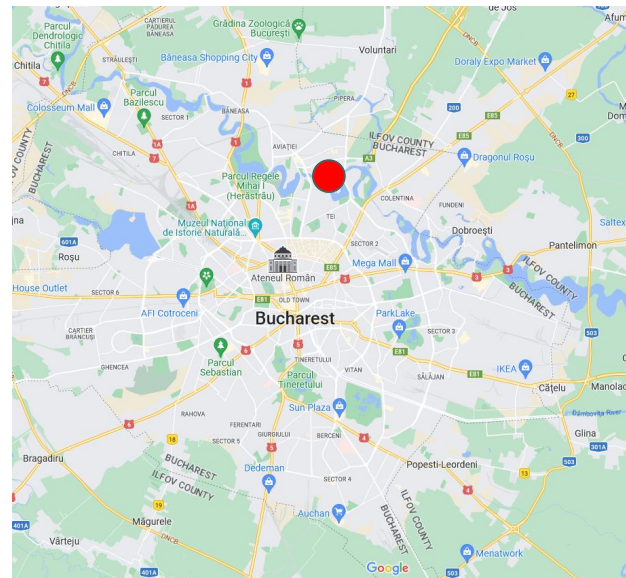
# Amazon Development Center

București, România

07-11.2022

Overview

- Applied via `amazon.jobs`
  - … to a position in different place. After interviews "rejected", but invited to interview for the internship in Bucharest.
- I was working from the office
  - Mostly empty, ~15% desks occupied, majority remotely. 1-2 days a week basically alone.

- Working on multi-modal document understanding
  - Relevant to my PhD topic - Multimodal Summarization

Romania
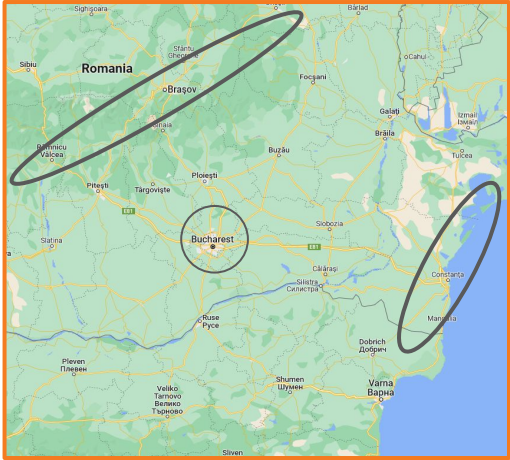
Project

Submission 9562

Title	
Paper:	📁 (Feb 10, 10:30 GMT) (previous versions)
Author keywords	
EasyChair keyphrases	
Topics	Document Image Processing, Scene Text Detection and Recognition, Text and Symbol Recognition
Abstract	
Submitted	Dec 06, 13:05 GMT
Last update	Jan 11, 14:51 GMT
Author conflicts	none

Authors

first name	last name	email	country	affiliation
Mateusz	Krubiński	krubinski@ufal.mff.cuni.cz	Czechia	Charles University, Faculty of Mathematics and Physics, Institute of Formal and Applied Linguistics
Stefan	Matcovici	stefmatc@amazon.com	Romania	Amazon
Daniel	Voinea	dvoinea@amazon.com	Romania	Amazon
Alin	Popa	popaaln@amazon.com	Romania	Amazon

SAN JOSE, CALIFORNIA, USA 2023

Title ◇	Acronym ◇	Source ◇	Rank ◇
IEEE International Conference on Document Analysis and Recognition	ICDAR	CORE2021	A

Project - Document Images

- Language modeling

- NER

- Classification

- Fraud detection

- …

- OCR + BERT + Fine-tuning
  - Image Embeddings (LayoutLM, 2020) at fine-tuning
  - Multi-modal pre-training (LayoutLMv2, 2021; LayoutLMv3, 2022)
  - End-to-End (DocFormer, 2021)

Other works

CONSENT: Context Sensitive Transformer for Bold Words Classification

Ionut-Catalin Sandu   Daniel Voinea   Alin-Ionut Popa
{sanion, dvoinea, popaaln}@amazon.com
Amazon Inc.
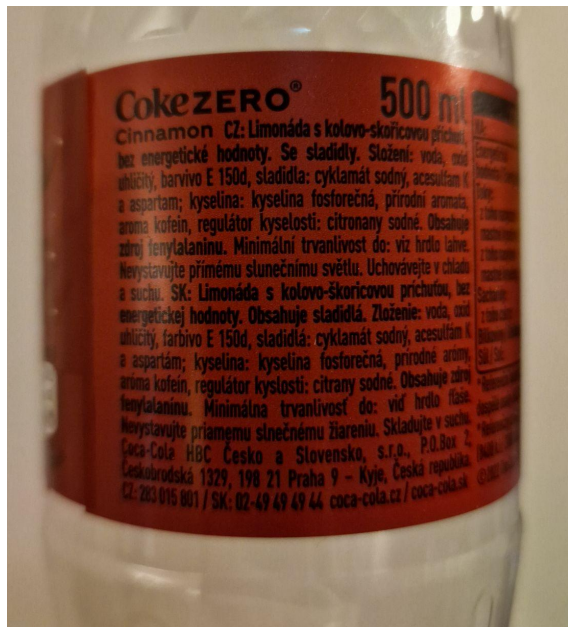
FGVC9 Workshop

Other works

**Large Sequence Representation Learning
via Multi-Stage Latent Transformers**

Ionut-Catalin Sandu   **Daniel Voinea**   **Alin-Ionut Popa**

Amazon Inc.

{sanion, dvoinea, popaaln}@amazon.com

COL NG 2022

(Stage 0)   (Stage 1)   (Stage 2)   (Stage 3)   (Stage 4)   (Stage 5)   (Ground Truth)

Thank you!