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Maxime MÉLOUX

French nationality
25 years old

B.Sc. in Computer Science – B.A. in Polish Studies

+ EXPERIENCE AND VOLUNTEERING

Feb 2020 – present **Associate** in the project "Research in Natural Language Processing". Conducted various NLP and machine learning tasks for the development of Samsung products.

Publication in review: Part-of-speech models compression methods for on-device grapheme-to-phoneme conversion (M. Kubis et al., INTERSPEECH 2021)

Samsung Electronics & Adam Mickiewicz University / Poznań, POLAND

May 2019 (3 days) **Volunteering:** Helped organize the 9th Language & Technology Conference in Poznań.

Poznań, POLAND

June – August 2016 (8 + 1 weeks) **Computer Science Engineering intern:** Algorithmically generated and filtered a database of over a million pictures of celebrities with a 0.1% error rate to train a facial recognition algorithm.

id3 Technologies / Grenoble, FRANCE

+ EDUCATION

Sep 2017 – 2020 **B.A. in Foreign Languages, Literature and Civilization** Université Charles de Gaulle – Lille 3
– Polish Studies Villeneuve d'Ascq, FRANCE

Third year: **Erasmus** student in the Adam Mickiewicz University in Poznań, Poland.

Linguistics courses: *Comparative linguistics*, *Comparative grammar of Slavic languages*

Sep 2014 – 2017 **B.Sc. in Engineering** – Computer Science & Applied Mathematics Ensimag
Profile: Mathematical Modelling, Vision, Graphics & Simulation Grenoble, FRANCE

Major projects done as part of studies	Object-oriented compiler (Java)	3D karting game (C++/OpenGL)
	Operating system kernel (C/x86 assembly)	Edge detection and smoothing of pictures (C)
	MIPS interpreter (VHDL)	Chess tournament management (MySQL)

Sep 2012 – Jun 2014 **Preparatory classes to higher schools (CPGE)** Lycée Blaise Pascal
Mathematics/physics – Computer Science option Clermont-Ferrand, FRANCE

+ NATURAL LANGUAGES

French: Native (C2)	Polish: Very good command (B2-C1)	Chinese: Notions (A1 – A2)
English: Fluent, TOEIC 985/990 (C1 – C2)	German: Good command (B1)	Spanish, Russian: Notions (A1)

Knowledge of the Cyrillic and Greek scripts. Strong interest for foreign languages, linguistics, culture in general.

+ TECHNICAL SKILLS

Languages	Python 3, C, C++, C#, Java, Bash, HTML5/CSS3, JavaScript, asm x86, node.js, LaTeX, SQL, R
Software & IDEs	Eclipse, Visual Studio, IntelliJ IDEA, Docker, Git, Maven, vim, Unix utilities, Libre/MS Office...
Main libraries	Pytorch, transformers, flair, pandas, numpy, jQuery

+ OTHER SKILLS AND HOBBIES

Train road trips across Europe (20+ countries visited).

Miscellaneous personal programming projects and tools for language-learning in C/C++, JavaScript/HTML 5/CSS 3, node.js

Offensive and defensive computer security awareness (conferences and challenges, "ethical hacking")

Open-source cartography for humanitarian purposes (Humanitarian OpenStreetMap Team)

