

Michał Bień

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EDUCATION

École polytechnique fédérale de Lausanne

Lausanne, CH

MSc in Digital Humanities

September 2020 -

- Studying DH with regard to ML & NLP applications (current GPA: 5.5/6)
- Selected courses: Applied Data Analysis, Machine Learning, Deep Learning
- Extracurricular: ALPS 2021 (Advanced Language Processing School) organized by LIG Grenoble

Poznań University of Technology

Poznań, PL

BSc in Computing

October 2016 - February 2020

- Finished one of the best technical universities in Poland
- Final grade 5/5 (very good) with GPA 4.56/5
- Extracurricular: CLARIN workshops on NLP resources for polish language processing

PUBLICATIONS

On the Context-Free Ambiguity of Emoji

ICWSM

J Czesłochowska, K Gligorić, M Peyrard, Y Mentha, M Bień, A Grutter, A Auer, A Xanthos, R West

2022

RecipeNLG: A cooking recipes dataset for semi-structured text generation

INLG

M Bień, M Gilski, M Maciejewska, W Taisner, D Wiśniewski, A Ławrynowicz

2020

Big Data Analysis and Machine Learning at Scale with Oracle Cloud Infrastructure

CERN

M Bień, R Castellotti, L Canali

2019

PROFESSIONAL EXPERIENCE

Allegro.pl

Poznań, PL

Research Engineer - Machine Learning

September 2021 -

- Working on product recommendation in Allegro.pl research department

EPFL dlab

Lausanne, CH

Student Research Assistant

February 2021 - July 2021

- Worked as research assistant in Robert West's data science lab
- Participated in ACCOMOJI - an interdisciplinary NLP project - as data scientist

APPLICA.AI

Poznań, PL

Cloud Engineer

September 2019 - August 2020

- Participated in one of the largest commercial NLP research communities in Poland
- Worked closely with deep learning and data science teams to propose improvements of internal workflows

CERN

Geneva, CH

Openlab Summer Student

July 2019 - August 2019

- Participated in CERN Openlab Summer Student Programme as one of 40 selected participants
- Worked in CERN IT-DB-SAS team on deploying ML pipelines at scale with Spark and Kubernetes

Poznań Supercomputing and Networking Center - GÉANT

Poznań, PL

Backend/Cloud Developer

May 2018 - June 2019

- Participated in European research project
- Worked on Kubernetes deployments automation in distributed cluster system

TECHNOLOGIES

- **Languages:** Python, Bash, Java, Scala
- **Big data:** Hadoop, Kafka, Spark
- **Data science:** NumPy, Pandas, Matplotlib, PyTorch, SkLearn
- **Cloud:** Helm, Kubernetes, Docker, Terraform, Ansible, AWS
- **Tools:** Git, VSCode, JIRA, JetBrains, Jupyter Notebooks
- **OS:** Expert level in Linux (Debian/Ubuntu, Fedora)

INVITED TALKS

RecipeNLG: A cooking recipes dataset for semi-structured text generation <i>Advanced Language Processing School 2021</i>	Grenoble, FR <i>January 2021</i>
Cooking recipes generator utilizing a deep learning-based language model <i>IEEE Day</i>	Warsaw, PL <i>January 2021</i>
RecipeNLG: A cooking recipes dataset for semi-structured text generation <i>International Conference on Natural Language Generation</i>	Dublin, IE <i>December 2020</i>
AI at CERN: Big Data and Machine Learning in the Cloud <i>ML in PL 2019 Conference</i>	Warsaw, PL <i>November 2019</i>
Big Data Analysis and ML at Scale with Oracle Cloud Infrastructure <i>CMS Machine Learning Forum</i>	Geneva, CH <i>August 2019</i>
Big Data Analysis and Machine Learning in the Cloud <i>Openlab Summer Student Programme Lightning Talks</i>	Geneva, CH <i>August 2019</i>

ACHIEVEMENTS

IEEE Thesis Contest <i>IEEE</i>	1st place <i>November 2020</i>
○ Won the nation-wide IEEE "Most innovative thesis of 2020" award	
CERN Hackfest <i>CERN</i>	3rd place <i>June 2019</i>
○ Created CERNLearn: an app that makes it easier for CERNies to learn from each other	
Data Ninja Competition <i>OLX Group</i>	4th place <i>March 2019</i>
○ Learned multilabel text classification solutions (FastText) while preparing to competition	

ADDITIONAL

- **Research interests:**
 - natural language generation: data2text, text2data
 - evaluation of generative language models
 - big textual data analysis
 - computational social media
- **Languages:** Fluent in English, intermediate in French
- **Social:** Scout instructor
- **Hobby:** hiking, climbing, literature