

Ronald Luc

Machine Learning Engineer

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EXPERIENCE

Machine Learning Research Engineer

Scable Business Solutions GmbH

📅 March 2019 – Present 📍 Vienna, Austria

- **Similarity engine** — High-dim space, small training dataset
 - Scikit learn, pandas, numpy, REST, Python

Software Developer

ARTIN, spol. s r. o.

📅 October 2016 – February 2019 📍 Brno, Czechia

- **AI powered Assistant** — Lead developer | link
 - Tensorflow, dlib, OpenCV, STT, TTS, Python
- **Speech processing** — Classification of children's pronunciation
 - Keras, pandas, numpy, speechpy, Python
- **Database system** — Database processing pipeline
 - Django, PostgreSQL, REST, Python
- **TesaBot** — Evaluation of text transcription models | link
 - OpenCV, C++, Python
- **Roboauto** — Internship on the first Czech autonomous car
 - ROS, I2C, C++

IT Teacher

Luzanky, hobby center

📅 September 2013 – August 2018 📍 Brno, Czechia

- Teaching basics of programming to children 9–15 years old
- 3 courses every week: C++, GameMaker, Karel

ACHIEVEMENTS

- Placed 1st at TechFest Munich 2019 with a CV mobile app | link
- Placed 1st in DNN category of the Smart Health Hackathon Prague 2018 and Smart Mobility Hackathon Prague 2019
- Represented Czechia at the International Olympiad in Informatics 2016, Russia
- Placed 29th in the 2018 Central Europe Regional Contest, ACM International Collegiate Programming Contest
- Placed 9th in The most active Highschooler of Czechia

EDUCATION / COURSES

Bachelor of Mathematics and Computer Science

Faculty of Informatics, Masaryk University

📅 September 2017 – Present 📍 Brno, Czechia

- Already finished few Masters courses — Neural Networks, Abstract Algebra, Mathematical Logic, Algorithms and DS II...

LIFE PHILOSOPHY

“Per aspera ad astra.”

PROJECTS

Small text classification

- Seeking medical aid on the internet can be deceiving. Sites like ulekare.cz offer professional help. A problem submitted by the patient has to be read many times and that is costly
- Developed a model to classify medical questions of patients | link
 - GloVe, CNN, LSTM

Sound2face

- Developed and implemented a 2 DNN pipeline to generate a video of a realistic talking face from audio with speech in real-time for the AI powered Assistant
- Combined research papers and own ideas | link
 - Conditional GAN, regression, PCA

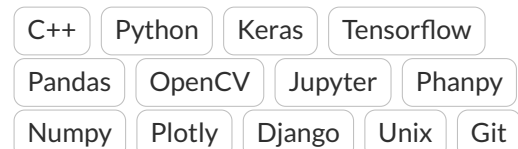
Sentence classification

- Developed a model to detect features in reports of bullying
- Filtration of fake reports and classification of 50+ features
 - BERT, multi-class, multi-label

BrNOC

- Founded BrNOC, a student science conference, and organised it for 4 years
- 250+ students, 30+ talks | link

SKILLS



LANGUAGES

Czech Fluent

English C1

German B1

REFEREES

Mgr. David Kláška

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