Nejc Ilenič

LinkedIn: https://www.linkedin.com/in/nejc-ilenic
GitHub: https://github.com/inejc Email : nejc.ilenic@gmail.com

Education

- **University of Ljubljana, Faculty of Computer and Information Science** Ljubljana, Slovenia
  Master's degree, Computer Science *2015 – 2017*
- **University of Ljubljana, Faculty of Computer and Information Science** Ljubljana, Slovenia
  Bachelor's degree, Computer Science *2011 – 2015*

Experience

- **GlobalWebIndex** London, United Kingdom
  Machine Learning Engineer *Feb 2018 - April 2020*
  - **Pollpass**: I was working in a remote team building Pollpass, a distributed, real-time surveying platform. My responsibilities were leading the design and implementation of two key components; an outbound data pipelining / warehousing system and development of intelligent algorithms for ensuring data quality.
- **Bioinformatics Laboratory, University of Ljubljana** Ljubljana, Slovenia
  Software Developer *Aug 2016 - Sep 2017*
  - **Orange**: My main responsibility was to design and implement a system for simplifying the embedding process of digital images. We deployed various pre-trained convolutional neural networks to a remotely accessible service and exposed the functionality in Orange (an open-source machine learning and data visualization software available at https://orange.biolab.si).
- **4th Office** Ljubljana, Slovenia
  Software Developer *Aug 2015*
  - **Internship**: I attended a one-month internship where I worked on a C# backend project. The collaboration was a result of successful participation in a student competition.
- **IT klinika d.o.o** Ljubljana, Slovenia
  Software Developer *Jul 2014 - Aug 2015*
  - **Harmonia**: I worked in a small team of students developing a Django project for online booking of beauty and wellness services. The collaboration was a result of successful participation in a student competition.

Projects

- **Slovenian Tarok card game environment**: A C++ implementation of the Slovenian Tarok card game environment for the OpenSpiel framework.
- **doddle-model: machine learning in Scala**: An in-memory machine learning library implemented in Scala.
- **A PyTorch implementation of Paragraph Vectors**: A PyTorch implementation of the Distributed Representations of Sentences and Documents paper by Q. V. Le et al.
- **Orange3 Image Analytics Add-on**: Orange3 Image Analytics is an add-on for the Orange3 data mining suite (an open-source software). It provides extensions for importing/creating labeled image data sets and embedding them through a variety of pre-trained deep neural networks.
- **Educational Neural Networks Library**: A pure Python and NumPy implementation of a neural networks library developed for educational purposes.
- **16th place solution for the Intel & MobileODT Cervical Cancer Screening competition on Kaggle**: The challenge of the competition was to develop an algorithm that accurately identifies a woman's cervix type based on digital images. Our team ended up 16th out of 848 teams on the private, final leaderboard (top 2 %).
- **Winning Solution for the Painter by Numbers Competition on Kaggle**: The challenge of the competition was to examine pairs of paintings and determine whether they were painted by the same artist.
- **Domain Independent Monte Carlo Tree Search Methods Implementation**: A Java implementation of Monte Carlo Tree Search methods that is self-contained and domain-independent. The project was developed for my Bachelor's thesis.