

I. IDENTIFICATION DATA

Thesis name:	Image retrieval via CNNs in TensorFlow 2
Author's name:	Jekatěrina Jaroslavceva
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Dept. of Control Engineering
Thesis supervisor:	Ondřej Chum
Supervisor's department:	Dept. of Cybernetics

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
Re-implementation in relatively new framework that is supposed to fulfil very high standards on code quality is challenging. Reproduce results that were heavily tuned is not a trivial task.	

Satisfaction of assignment	fulfilled
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
All the goals were fulfilled, approved by the supervisors and accepted into Google code repository.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
Kate was enthusiastic, working when possible autonomously, not afraid to ask relevant colleagues and discuss when she got stuck.	

Technical level	A - excellent.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
Technical level of the work is high. On top of the re-implementation, the thesis contains additional experiments, that suggest scientific potential of the student.	

Formal and language level, scope of thesis	A - excellent.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
Very pleased here, the text required virtually no corrections from me.	

Selection of sources, citation correctness	A - excellent.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
Satisfactory review of related methods and origins of used approaches were provided in the thesis.	

Additional commentary and evaluation	
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>	
The software is fully functional and surely will be used in a large number of applications, by far exceeding the standards of undergraduate (including master) theses.	



SUPERVISOR'S OPINION OF FINAL THESIS

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

See above, nothing really to be added.

I evaluate handed thesis with classification grade **A - excellent**.

Date: **2.6.2021**

Signature: