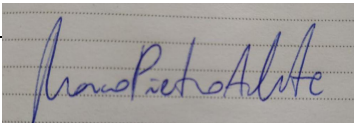


## MASTER'S PROJECT

### VALIDATION OF THE TOPIC

Once completed, to be returned to the internship office (INN 131)


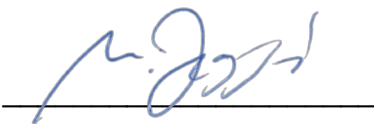
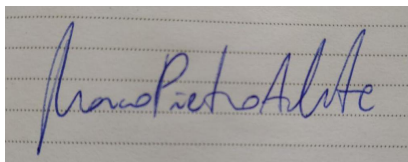
<b>NAME &amp; SURNAME</b> Marco Pietro Abrate	<b>MASTER</b> <input type="checkbox"/> IN <input type="checkbox"/> SC <input checked="" type="checkbox"/> DS <input type="checkbox"/> Cyber
<b>STARTING DATE</b> 28/09/2020	<b>ENDING DATE</b> 28/03/2021
<b>COMPANY / UNIVERSITY</b> <small>(full address)</small> <div style="text-align: center; padding-top: 10px;"> MAGMA Learning Sàrl  CP8, 1081 Montpreveyres </div>	
<b>PROJECT'S TITLE</b> Abstractive summarization with Transformers	
<div style="text-align: center;"><b>DESCRIPTION OF THE PROJECT</b></div> <p style="color: red; font-weight: bold; font-size: 0.9em;">(CYBER SECURITY STUDENTS MUST DO THEIR MASTER'S PROJECT IN THE FIELD OF CYBER SECURITY <u>ONLY</u>)</p> <p>Automatic summarization is the process of shortening a text with machine learning and natural language processing.</p> <p>This can have many useful applications, in particular adapting a textbook to the knowledge level of the reader.</p> <p>While extractive summarization simply selects the most important sentences in a text, abstractive summarization generates an original summary of it.</p> <p>The goal of this project is to develop a pipeline for abstractive summarization based on Transformers (BERT, GPT-2, etc.).</p>	
<b>SIGNATURE</b> <small>(student)</small>	

<input type="checkbox"/> <b>TOPIC ACCEPTED</b>  <input type="checkbox"/> <b>TOPIC REFUSED</b>	<b>COMMENTS</b>   
<b>DATE</b>	<b>SIGNATURE</b> <small>(Section's Director / Deputy Head)</small>

Once you have found the IC professor who will supervise the project, please complete the registration form which is at the back of this sheet.

## MASTER'S PROJECT REGISTRATION FORM

Once completed, to be returned to the internship office (INN 131)

<b>NAME &amp; SURNAME</b>	Marco Pietro Abrate	<b>MASTER</b>	<input type="checkbox"/> IN	<input type="checkbox"/> SC	<input checked="" type="checkbox"/> DS	<input type="checkbox"/> Cyber
<b>STARTING DATE</b>	28/09/2020	<b>ENDING DATE</b>	28/03/2021			
<b>PROJECT'S TITLE</b>	Abstractive summarization with Transformers					
(CYBER SECURITY STUDENTS MUST DO THEIR MASTER'S PROJECT IN THE FIELD OF CYBER SECURITY ONLY)						
<b>COMPANY / UNIVERSITY</b>	MAGMA Learning Sàrl					
<b>COMPANY/ UNIVERSITY SUPERVISOR</b> <i>(name and email)</i>	Maxime Gabella		maxime@magmalearning.com			
<b>EPFL SUPERVISOR</b> <i>(email)</i>	Martin Jaggi	martin.jaggi@epfl.ch		<b>LABORATORY</b> Machine Learning and Optimization Laboratory		
<b>SALARY</b>	CHF 500.- per month (gross)					
<b>CONFIDENTIALITY</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>IF YES, DETAILS</b> <p style="text-align: center;">Students undertake not to use under any circumstances the information gathered or obtained during the internship as the subject of a publication or a communication to third parties, including the internship report, without obtaining the prior consent of the Host Company.</p>						
<b>OFFICIAL STAMP AND SIGNATURE</b>						
Company / University supervisor			Date <u>6.9.2020</u>			
EPFL supervisor			Date <u>4.9.2020</u>			
Student			Date <u>04/09/2020</u>			

Once this form is completed and signed by all parties, please submit it to the internship office (INN131)