

# ALFONSO AMAYUELAS

PhD Student at UC Santa Barbara  
Santa Barbara, CA · USA

## EDUCATION

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UNIVERSITY	<b>University of California, Santa Barbara</b>	Santa Barbara, USA
DEGREE	PhD Computer Science	
PERIOD	September 2022 — ongoing	
UNIVERSITY	<b>ETH Zurich</b>	Zurich, Switzerland
DEGREE	Master's Thesis: <i>Neural Methods for Logical Reasoning over Knowledge Graphs</i> [1]	
PERIOD	February 2021 — August 2021	
UNIVERSITY	<b>École Polytechnique Fédérale de Lausanne</b>	Lausanne, Switzerland
DEGREE	MSc Data Science	
PERIOD	September 2019 — August 2021	
UNIVERSITY	<b>Autonomous University of Barcelona</b>	Barcelona, Spain
DEGREE	BSc in Computer Science BSc in Telecommunication Systems Engineering	
PERIOD	September 2014 — June 2019	
SOCIETIES	AIESEC	
UNIVERSITY	<b>University of California, San Diego</b>	San Diego, USA
DEGREE	Computer Science / Electrical Engineering (Exchange program)	
PERIOD	September 2017 — June 2018	
SOCIETIES	Pi Kappa Alpha	

## WORK EXPERIENCE

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EMPLOYER	<b>BigML</b>	Remote, Spain
JOB TITLE	Machine Learning Engineer	
PERIOD	June 2021 — August 2022	
	Worked in the Predictive Applications Team creating ML applications for clients on top of the comprehensive BigML's proprietary platform. Also contributed to the early development of BigML's spinoff Accushoot.com.	
EMPLOYER	<b>Oracle</b>	Zurich, Switzerland
JOB TITLE	Research Assistant	
PERIOD	July 2020 — August 2020	
	Worked at Oracle Labs in Zurich with the PGX Applications Team. The project consisted in developing an application for automatic knowledge graph extraction, implementing a NLP pipeline with open-source libraries.	
EMPLOYER	<b>Indra</b>	Barcelona, Spain
JOB TITLE	Intern	
PERIOD	January 2019 — June 2019	
	Worked on the Bachelor's thesis for Telecommunications Engineering with the Navigation team of Indra Space. The project involved the development of a study for a communication channel and satellite transponder simulator for the ground stations (NLES) in the third generation of EGNOS (v3).	

EMPLOYER	<b>Aalto Univeristy</b>	Helsinki, Finland
JOB TITLE	Research intern	
PERIOD	June 2018 — September 2018	
	Worked in the Applied Physics department for the Complex Systems and Materials group (CSM), under the supervision of Prof. Mikko Alava. The goal of the project was the use machine learning techniques for the detection and forecasting of structural changes in the texture of foams.	
EMPLOYER	<b>CERN</b>	Geneva, Switzerland
JOB TITLE	Intern	
PERIOD	June 2017 — September 2017	
	Collaborated with the ATLAS experiment in a team from the National Technical University of Athens under the supervision of Prof. Theodoros Alexopoulos. The project involved the firmware development of FPGAs	

## PUBLICATIONS

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- [1] A. Amayuelas, S. Zhang, X. S. Rao, and C. Zhang, “Neural methods for logical reasoning over knowledge graphs,” in *International Conference on Learning Representations*, 2022.
- [2] N. Goel, A. Amayuelas, A. Deshpande, and A. Sharma, “The importance of modeling data missingness in algorithmic fairness: A causal perspective,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 35, pp. 7564–7573, 2021.

## AWARDS

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2022	<b>CS Academic Excellence Fellowship</b>	Santa Barbara, USA
AWARDER	Computer Science Department, UC Santa Barbara	
2019	<b>AI with Social Purposes - <i>Entrepreneurship track</i></b>	Madrid, Spain
AWARDER	We the Humans Think Tank	
2019	<b>Best Student Award (Top 1) - Class 2019</b>	Barcelona, Spain
AWARDER	Autonomous University of Barcelona Col·legi Oficial d'Enginyers Tècnics de Telecomunicacions de Catalunya Management Solutions	
2019	<b>Galileo App Competition</b>	Noordwijk, Netherlands
AWARDER	ESA Most Innovative App & Most Voted by the Audience	
2016	<b>1st place EU-XCEL Startup Contest</b>	Munich, Germany
AWARDER	EU-XCEL	

## OTHER

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UNIVERSITY	<b>Tsinghua University</b>	Beijing, China
DEGREE	International Summer School - Industry Frontier Track	
PERIOD	July 2019	

## VOLUNTEERING

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PERIOD	<b>July 2016 — August 2016</b>	
ORG.	<b>SMAN14 - Local high school</b>	Padang, Indonesia
JOB TITLE	<b>English Teacher</b>	
	English teacher for High School students. Created my own learning units and organized workshops related to world issues.	

PERIOD	<b>July 2015 — August 2015</b>	
ORG.	<b>AIESEC</b>	Algiers, Algeria
JOB TITLE	<b>Spanish Teacher</b>	

Spanish teacher for an Aiesec project during summer 2015. I transmitted my language and culture, worked on my communication skills and helped building global citizens.

**SKILLS & MORE**

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<b>Computer Technologies</b>	Python, C++, Java, SQL, Pandas, Django, Javascript, Vue.js
<b>Languages</b>	Spanish (Native) English (C2) French (B2) Catalan (C1)
<b>Certificates</b>	- Cambridge English: Proficiency (CPE) - Cambridge English: Advanced (CAE) - Advanced English Level Certificate