

# Xavier Oliva Jürgens

## Curriculum Vitae

<b>Date of Birth:</b>	February 10, 1998	<b>Address:</b>	Rue de la Mèbre, 1020, Renens (CH)
<b>Place of Birth:</b>	Barcelona, Spain	<b>Email:</b>	<a href="mailto:xavi.oliva6@gmail.com">xavi.oliva6@gmail.com</a>
<b>Citizenship:</b>	Spain	<b>Phone:</b>	+49 17647672399

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## Education

09/2020 – today

### **M.Sc., Data Science**

École Polytechnique Fédérale de Lausanne (EPFL), Switzerland

- ✦ Relevant Coursework: Applied Data Analysis, Machine Learning, Intelligent Agents, Information Security and Privacy

01/2020 – today

### **Honours Degree, Technology Management (CDTM)**

Center for Digital Technology and Management, Munich, Germany

- ✦ Part of the **Elite Network of Bavaria**
- ✦ Publication of a **Trend Report** about “Public Administration in the Digital Era” in cooperation with Tech4Germany

10/2016 – 10/2019

### **B.Sc., Electrical Engineering and Information Technology**

Technische Universität München (TUM), Germany

- ✦ Passed with **high distinction** (average grade: 1,2)
- ✦ **Bachelor’s Thesis** at Chair of Media Technology (TUM):
  - Title: Encoder-Decoder Sequence-to-Sequence Model for Head Movement Prediction in 360° Videos (grade: 1,0)
  - Examined model consisting of two modules based on stacked LSTMs, applied to supervised multi-step regression problem
  - Implemented with Python Deep Learning library Keras
- ✦ AdvEisor - Soft Skill and Robotics Program for Electrical Engineers
  - Two-semester robotics and management project
  - Co-built prototype of an autonomous robot playing “Connect Four”
- ✦ Volunteered at TUM MIX, mentoring program for international exchange students
- ✦ Engaged in “Buddies for Refugees” program

08/2018 – 12/2018

### **Term Abroad at École Polytechnique Montréal (Canada), Computer Science**

- ✦ Relevant Coursework: Information Networks, IT Security, Databases
- ✦ Earned **Rohde-Stiftung** stipend for exchange semester

09/2001 – 05/2016

### **German High School Diploma “Abitur”**

Deutsche Schule Barcelona (German School of Barcelona), Spain

- ✦ Graduated with an **average grade of 1,0** (highest grade)
- ✦ Participated in **BCN-MUN** (Model United Nations) as delegate
- ✦ Received **DPG High School prize** for outstanding students in physics

## Work experience

04/2020 – 07/2020

### **Celonis, Product Development Consultant, Munich**

- ✦ **Goal:** Development of the concept for a new operational finance app
- ✦ Implemented a demo application in the Celonis ecosystem, taking Accounts Receivable as main use-case

04/2020 – 08/2020

### **Chair of Data Processing (TUM), Safe Reinforcement Learning Research, Munich**

- ✦ **Goal:** Development of open-source environment for measuring learning agents that respect safety constraints while training
- ✦ Developed and tested pybullet environments with (agents, tasks. And obstacles) to perform benchmarking of reinforcement learning algorithms

11/2019 – 08/2020

### **180 Degrees Consulting, Social Student Consultant and Head of IT Department, Munich**

- ✦ **Head of IT Department** of the non-profit student organization
- ✦ Ideation of digital registration process for young startup

10/2019 – 09/2020

### **Chair of Data Processing (TUM), Python Workshops, Munich**

- ✦ Organized a workshop series for students aiming to provide the essential tools for Python development in data science (libraries: NumPy, Pandas, Matplotlib, scikit-learn)

10/2017 – 02/2020

### **Professorship of Signal Processing (TUM), Stochastic Signals and Circuit Theory I and II Tutorials, Munich**

- ✦ Bachelor courses in Electrical Engineering and Information Technology at TUM
- ✦ Prepared classes, assisted and encouraged students in exam preparation

01/2019 – 04/2019

### **Harold Waste, Full Stack Junior Developer Internship, Paris**

- ✦ Young startup, building digital assistant helping players in the waste management market
- ✦ Developed **web equivalent** of the mobile app (Node, React Js, Firebase)
- ✦ Ideated and implemented **Python scripts** to upload Google Sheets data to Cloud Firestore database automatically

07/2016

### **Lanaccess Telecom, Internship, Barcelona**

- ✦ Assembled and verified video surveillance recording systems

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## Skills and Qualifications

### **Languages:**

**German** (native), **Spanish** (native), **English** (business fluent), **French** (business fluent), **Catalan** (native), **Portuguese** (basic communication skills)

### **Technical:**

Working knowledge: **Python** (Pandas, NumPy, Keras), **JavaScript** (React, React Native)  
Basic knowledge: **C**, **C++**, **MATLAB**

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