

## EDUCATION

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<b>Massachusetts Institute of Technology (MIT)</b> Postdoctoral Research at the Laboratory for Information and Decision Systems Advised by Priya L. Donti	Oct 2023 – present Cambridge, USA
<b>Eidgenössische Technische Hochschule (ETH Zurich)</b> Doctoral Studies in Artificial Intelligence for the renewable energy transition Advised by Anthony Patt & Stefan Pfenninger	Sep 2018 – Sep 2023 Zurich, Switzerland
<b>Rheinisch Westfälische Technische Hochschule (RWTH)</b> Master of Science in Electrical Engineering and Information Technology	Oct 2016 – Feb 2018 Aachen, Germany
<b>Rheinisch Westfälische Technische Hochschule (RWTH)</b> Bachelor of Science in Electrical Power Engineering and Business Administration	Oct 2012 – Sep 2015 Aachen, Germany

## PROFESSIONAL EXPERIENCE

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<b>Climate Policy Lab   Department of Environmental Systems Science   ETH Zurich</b> <i>Senior Researcher</i>	Oct 2023 – present Zurich, Switzerland
<b>National Electricity System Operator of Serbia   Електромрежа Србије (EMC)</b> <i>Visiting Engineer</i> advised by Vladica Nikolic	Jun 2018 – Aug 2018 Belgrade, Serbia
<b>Climate Policy Lab   Department of Environmental Systems Science   ETH Zurich</b> <i>Research Assistant</i> advised by Tony Patt	Mar 2018 – May 2018 Zurich, Switzerland
<b>Climate Policy Lab   Department of Environmental Systems Science   ETH Zurich</b> <i>Research Assistant</i> advised by Johan Lilliestam	Jan 2016 – Sep 2016 Zurich, Switzerland
<b>Deptment of Statistics   Universidade Estadual Paulista (UNESP)</b> <i>Research Assistant</i> advised by Fernando Moala	Oct 2015 – Dec 2015 Sao Paulo, Brazil

## TEACHING

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<b>Quantitative Policy Analysis and Modelling</b> <i>Teaching Assistant</i> , MSc course	ETH Zurich Fall 2020
<b>Seminar Environmental Systems</b> <i>Teaching Assistant</i> , BSc course	ETH Zurich Spring 2019

## SUPERVISION

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- **Thomas Rigoni** | Research Assistant, MSc Computer Science, Climate Policy Lab, ETH Zurich, 2023.
- **Francesco di Stefano** | Research Assistant, MSc Computer Science, Climate Policy Lab, ETH Zurich, 2023.

## REVIEWED ARTICLES

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- Tornede, et al. PyExperimenter: Easily distribute experiments and track results. *Journal of Open-Source Software* (2023)

## TALKS

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**Artificial Intelligence and 100% renewables, faster.** | ETH Zurich  
*Frontiers in Energy Research*, Energy Science Center, Spring 2020.

## AWARDS

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**Peer-to-Peer Award for Best Presentation on Hitachi Energy Challenge 2022**  
Design Thinking Process on *Creative Energy for Future Energy Solutions*.

Energy Science Center, ETH Zurich.

## FELLOWSHIPS

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- **IDEA League** | ETH Zurich, Fall 2016.
- **IDEA League** | RWTH Aachen, Spring 2015.

## COMMITMENTS

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### ***Energy Now! 2022* program mentor**

Expert initiative for preventing a potential energy crisis in Zurich  
Energy Science Center, ETH Zurich, Switzerland

### **Google Zurich Computer Vision Challenge organizer and referee 2019**

Hackathon in support of women in computer science (acm-w)  
Nazarbayev University Astana, Kazakhstan

## SOFTWARE

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### **selberai** | Python

Artificial General Intelligence for tackling climate change

### **altility** | Python

Spatio-temporal prediction model using active deep learning

### **bevpo** | Python

City-scale car traffic and parking density map analysis tool

## SERVER ADMINISTRATION

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### **Graphical Processing Unit (GPU) server** | 2020 – present

Dedicated bare metal server for deep learning applications in remote sensing.  
Landscape Ecology Group and Climate Policy Lab, ETH Zurich, Switzerland.

## SPOKEN LANGUAGES

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- German (native)
- Farsi (native)
- English (advanced)
- Portuguese (advanced)
- Swiss German (basic)
- Spanish (basic)
- Serbo-Croatian (basic)

## PROGRAMMED LANGUAGES

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- Python (advanced)
- Julia (advanced)
- Matlab (advanced)
- C / C++ (advanced)

## DEEP LEARNING

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- TensorFlow (advanced)
- PyTorch (advanced)
- JAX (advanced)

## HOBBIES

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I enjoy doing indoor and outdoor sports to balance out long days of work at the computer. I also like to explore new disciplines and activities on a regular basis.