

# MARCO MIOTTI

## Energy Systems Analyst · Data Geek

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## WORK EXPERIENCE

### Research Assistant at **Massachusetts Institute of Technology**

📅 September 2014 - present   📍 Cambridge, MA, USA

- Evaluating the emissions and costs of light-duty vehicle technologies to find feasible pathways to meet U.S. climate targets for transportation.
- Collaborating in large-scale research project that aims to reduce travel energy consumption in Massachusetts through a combination of personalized travel information and system-wide optimization.

### Swiss Civilian Service at **Centro Nacional de Producción Más Limpia**

📅 February 2014 - June 2014   📍 Bogotá, Colombia

- Assessed existing electronic waste regulation programs to inform new waste regulations and educational programs in Colombia.
- Designed a database concept for storing and handling information on electronic waste recycling sites.

### Swiss Civilian Service at **Global Risk Forum Davos**

📅 August 2013 - October 2013   📍 Davos, Switzerland

- Supported the organization of a scientific conference, the *4th Conference on Community Resiliency*, in collaboration with Virginia Tech.
- Assisted in the creation of a new peer-reviewed e-journal, *Planet@Risk*.

### Intern at **Evonik Industries**

📅 March 2012 - September 2012   📍 Marl, Germany & Shanghai, China

- Conducted several life cycle assessments of specialty chemicals and corresponding final products in collaboration with internal clients.
- Carried out an interview-based case study on the values and views of sustainability in the chemical industry in China.

## LEADERSHIP EXPERIENCE

### Co-Organizer of the **2018 MIT Policy Hackathon**

📅 November 2017 - April 2018   📍 Cambridge, MA, USA

- Helped organize the first MIT Policy Hackathon as part of the core team.
- Lead through the event on stage as the master of ceremonies.

### Team Lead at **MIT Climate CoLab**

📅 July 2015 - July 2017   📍 Cambridge, MA, USA

- Lead a team of 10 graduate students in conducting impact assessments of climate change mitigation and adaptation proposals.

### Co-President at **Engineering Systems Student Society**

📅 September 2016 - August 2017   📍 Cambridge, MA, USA

### Seminar Chair at **Engineering Systems Student Society**

📅 September 2015 - August 2016   📍 Cambridge, MA, USA

### Co-President at **FFP Music Festival**

📅 October 2006 - July 2012   📍 Riniken, Switzerland

## EDUCATION

### PhD in Engineering Systems

**Institute for Data, Systems, and Society (IDSS),  
Massachusetts Institute of Technology**

📅 September 2014 - present   GPA: 5.0/5.0

### MSc in Environmental Engineering

**Swiss Federal Institute of Technology (ETH) Zurich**

📅 September 2010 - July 2013   GPA: 5.78/6.00

### BSc in Environmental Sciences

**Swiss Federal Institute of Technology (ETH) Zurich**

📅 September 2007 - December 2010   GPA: 5.59/6.00

## PUBLICATIONS

- 2 first-author and 2 co-author publications in peer-reviewed journals; 1 co-author scientific report, 1 book chapter contributions (Google scholar: [goo.gl/3aXi3f](https://goo.gl/3aXi3f)).
- Creator of [carboncounter.com](http://carboncounter.com) website with 120,000 visits since September 2016.

## AWARDS & HONORS

Martin Family Sustainability Fellowship  
(2018 | **MIT**)

Siebel Scholarship (2017 | **Siebel Foundation**)  
"Awarded annually for academic excellence and demonstrated leadership to the top students from the world's leading graduate schools."

Willi-Studer Award (2013 | **ETH Zurich**)  
For highest GPA in master's program.

*Perspectives* Membership  
(2013 | **Evonik Industries**)

Unitech Fellowship  
(2012 | **ETH Zurich**)

## SKILLS

Programming languages (**10,000+ lines** written)  
Python, Javascript, Matlab, PHP, HTML/CSS.

Programming languages (**1,000+ lines** written)  
R, SQL, LaTeX.

Teaching education  
Kaufman Teaching Certificate Program (KTCP), MIT.

Spoken languages  
German (native), English (fluent), Spanish (conversational), Swedish (conversational), French (basic).