

MARCO MIOTTI

Energy Systems Analyst · Data Geek

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WORK EXPERIENCE

Research Assistant at **Massachusetts Institute of Technology**

📅 September 2014 - Ongoing 📍 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

Team Lead at **MIT Climate CoLab**

📅 July 2015 - Ongoing 📍 Cambridge, MA, USA

- Leading 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 - Ongoing 📍 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

- Raised the number of visitors from 700 to 2000 as part of the core team.
- Designed and implemented the advertising design concept and the on-site waste management concept.

EDUCATION

PhD in Engineering Systems

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

📅 September 2014 - Ongoing 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 publications and 2 co-author publications in peer-reviewed journals.
- Co-author of 2 scientific reports.
- Creator of carboncounter.com website with 100,000 visits since September 2016.

For a detailed list, see marco.miotti.me/#publications.

AWARDS & HONORS

Siebel Scholarship (**Siebel Foundation**)

2017 | "rewards excellence among the top students at the most prestigious graduate programs."

Willi-Studer Award (**ETH Zurich**)

2013 | Awarded to student with highest GPA of each master's program.

Perspectives Membership (**Evonik Industries**)

2013 | Offered to "most outstanding" interns.

Unitech Fellowship (**ETH Zurich**)

2012 | Exchange and leadership skill training program, offered to 5-7 student applicants per year.

SKILLS

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

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

Spoken languages

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