

# MARCO MIOTTI

## Transportation Systems Analyst · Data Geek

✉ [marco@miotti.me](mailto:marco@miotti.me) 📞 +1 (617) 982-8764 📍 77 Massachusetts Avenue, Building E17-451, Cambridge MA 02139, USA 🌐 [marco.miotti.me](http://marco.miotti.me)

## WORK EXPERIENCE

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

📅 September 2014 - present 📍 Cambridge, MA, USA

- Evaluating the emissions and costs of personal vehicles across different vehicle technologies, driving patterns, and background conditions to inform decarbonization pathways for personal transport in the U.S.
- Designing interactive websites to inform consumers about vehicle costs and emissions (see [carboncounter.com](http://carboncounter.com)).
- Collaborated in a project that aims to reduce travel energy use by combining personalized travel information and system-wide optimization.

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

📅 February 2014 - June 2014 📍 Bogotá, Colombia

- Informed regulations and education on electronic waste in Colombia.
- Designed a relational 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.
- 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.
- 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; 2 report and book contributions (Google scholar: [goo.gl/3aXi3f](https://scholar.google.com/citations?user=goo.gl/3aXi3f)).
- Creator of [carboncounter.com](http://carboncounter.com) website with 94,000 unique 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.

Unitech Fellowship (2012 | **ETH Zurich**)  
International exchange, internship, and leadership training program.

## SKILLS

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

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

Software  
Adobe Photoshop/Illustrator, Git, ArcGIS, Rhino3D.

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

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