

## EDUCATION

<b>ETH Zürich</b> <i>PhD in Environmental Engineering, <a href="#">EU Horizon 2020 Project</a></i> Advised by Stefanie Hellweg and Stephan Pfister, Chair of Ecological System Design	<b>Zürich, Switzerland</b> <i>January 2019 – present</i>
<b>École Polytechnique Paris - Saclay</b> <i>MSc in Energy Environment: Technology and Management, <a href="#">EIT Innoenergy</a>, GPA: 3.93/4.00</i>	<b>Paris, France</b> <i>September 2017 – September 2018</i>
<b>KTH Royal Institute of Technology</b> <i>MSc in Energy Innovation, Specialization: Renewable Energy, GPA: 4.9/5.0</i>	<b>Stockholm, Sweden</b> <i>August 2016 – August 2017</i>
<b>Grenoble École de Management (GEM)</b> <i>Diploma in Social Science Perspectives on Energy Innovation: <a href="#">Distance learning</a></i>	<b>Grenoble, France</b> <i>February 2017 – August 2017</i>
<b>ESADE Business School</b> <i>Diploma in Management and Entrepreneurship: Winter and summer school</i>	<b>Barcelona, Spain</b> <i>February 2017 – July 2017</i>
<b>Institut Teknologi Bandung (ITB)</b> <i>BSc in Chemical Process Engineering, GPA: 3.75/4.00</i>	<b>Bandung, Indonesia</b> <i>August 2010 - July 2014</i>

## EXPERIENCES

<b>Global Green Growth Institute (GGGI)</b> Research Collaborator <ul style="list-style-type: none"> <li>Assessing eco-industrial parks feasibility with the effectiveness of solar PV installation (sustainability of industrial symbiosis)</li> </ul>	<b>Ethiopia (remotely) and Yogyakarta, Indonesia</b> <i>September 2018 – December 2018</i>
<b>Électricité de France (EDF) R&amp;D</b> Research Engineer Intern <ul style="list-style-type: none"> <li>Proposed valorization routes for EDF subsidiaries' solid wastes management by means of multi-criteria assessments</li> <li>Investigated techno-economic and environmental performance case studies for EDF which regards to its existing resources</li> </ul>	<b>Paris, France</b> <i>March 2018 – August 2018</i>
<b>International Consulting Network, ICON - Chapter KTH</b> Technical Consultant and Analyst <ul style="list-style-type: none"> <li>Evaluated environmental benefits of deploying electric vehicles in emerging smart cities - (Client: electric vehicle manufacturer)</li> <li>Estimated financial projection of dark fiber network in NY common providers (Comcast, Time Warner) - (Client: telco consultancy)</li> </ul>	<b>New York (remotely) and Stockholm, Sweden</b> <i>September 2016 – September 2017</i>
<b>Dow Chemical Company</b> Account Manager (marketing and sales executive) <ul style="list-style-type: none"> <li>Devised business development strategies in South East Asian countries to expand market share for new &amp; existing clients</li> </ul>	<b>Jakarta, Indonesia and South East Asia region</b> <i>April 2015 – August 2016</i>
<b>PT. LAPI ITB</b> Process Engineering Consultant <ul style="list-style-type: none"> <li>Designed power plant to efficiently capture 90% CO<sub>2</sub> gas through Carbon Capture Storage - (Partner: <a href="#">World Bank</a>)</li> <li>Optimized techno-economic scenarios for coal-to-ethanol feasibility study - (Client: Pertamina - State energy corporation)</li> </ul>	<b>Bandung, Indonesia</b> <i>July 2014 – December 2014</i>
<b>ITB Chemical Engineering Department</b> Teaching Assistant & Tutor of Chemical Process Simulator <ul style="list-style-type: none"> <li>Conducted extra learning hours to assist hundreds of students for exams; provided live demo of using chemical simulator programs</li> </ul>	<b>Bandung, Indonesia</b> <i>July 2012 – July 2014</i>

## SELECTED PROJECTS

<b>Technical</b>	Resource Recovery from Mine Wastes: Environmental Benefit Analysis	Zurich (2019)
	Multi-criteria Benchmarking of Energy Recovery Routes from Non-hazardous Wastes	Paris (2018)
	Efficient Supermarket: Recovering Waste Energy for District Heating Network Improvement	Stockholm (2017)
	Scaling-up Solar Energy in Developing Countries – Comparative Study of Green Finance	Grenoble (2017)
	The United Arab Emirates: Long Range Energy Foresight 2040 (LEAP© Energy Modelling)	Stockholm (2017)
<b>Consulting</b>	Paris-Saclay Future Campus Cluster: Industrial Symbiosis and Urban Development	Palaiseau (2018)
	Smart Electric Vehicle in Emerging Cities: Foreign Market Entry Strategies	Stockholm (2017)
	Financial Projection of Deploying Fiber Optic Network in US Counties	New York (2017)
	CO <sub>2</sub> Capture and Storage at Coal Power Plant: Techno-economic Pros and Cons	Jakarta (2014)
<b>Business &amp; Marketing</b>	Digital Designer and Website Builder ( <a href="https://www.resikin.com/">https://www.resikin.com/</a> )	Jakarta (2019)
	Exploiting Low-hanging fruits: Customers Mapping and Market Participation Strategies	Jakarta (2016)
	Discovering Reverse Osmosis Membrane Market: How lucrative is it in Indonesia?	Jakarta (2015)

## SKILLS AND INTERESTS

<i>Tools</i>	HTML + CSS + Javascript, Python, R, MATLAB, Tableau, PowerBI, Adobe CC, SimaPro, ASPEN
<i>Languages</i>	Bahasa Indonesia (native), English (advanced), French (upper-intermediate), German (intermediate)
<i>Personal</i>	Web developing, blogging ( <a href="https://lugasraka.com/">https://lugasraka.com/</a> ), reading comic & thriller, city guiding, casual gaming