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September 25, 1989, Santiago, Chile
Passport # P02984749



Education

- **Chemical Engineering: Complete.** Pontificia Universidad Católica de Chile, Santiago. March 2008 – September 2014
G.P.A. 5.8
- **Licentiate in Engineering Sciences: Complete.** Pontificia Universidad Católica de Chile, Santiago. March 2008 –
December 2013. G.P.A. 5.4
- **Master Sustainable Development, track Energy and Material: In course.** Utrecht University, Utrecht. September 2017.

Work Experience

- **Chief of Sustainability Area**, Foundation Chilenter of Chilean Presidency Socio-cultural Direction, Santiago. August 2016
– Present. Manager of environmental projects. Supervisor of health and environmental regulations.
Main projects led:
 - National e-waste management and valorization network.
 - CORFO project of regional innovation for developing of Sustainable Urban Mining System in Taltal.
- **Consultant-Owner**, Cooperative Engineering Consultancy Group Kunlabora, Santiago. December 2014 – Present.
Coordinator of environmental and educational projects.
Main projects led:
 - Creation of a Recyclers Cooperative in Municipality of Maipú.
 - Workshop of Cooperative and Sustainable entrepreneurship in Municipality of Recoleta.
- **Chief of Studies Area**, Sustainability Office of Pontificia Universidad Católica de Chile, Santiago. March 2013 – July 2016.
Head of waste and water projects. Director of recycling projects in all the campuses of the University.
- **Vermicampus Director**, Pontificia Universidad Católica de Chile, Santiago. August 2014 – July 2016. Organic waste
recycling project using vermiculture and composting biotechnology.
- **Consultant**, Recycling Enterprise Reciclación, Santiago. January 2016. Advice for design of recycling system and market
positioning.
- **Consultant**, Certificación USACH Limitada of Universidad de Santiago de Chile, Santiago. January 2016. Design of
methodologies for the evaluation of labor competencies leading to the Certification of the National System of Labor
Competencies (Chile Valora).
- **Assistant**, Empresas Eléctrica de Chile A.G., Santiago. February 2013. Assistance in the design of an instrument for the
evaluation of occupational profiles in the industrial sector of electricity.

Teaching Experience

- **Lecturer in course Introduction to Sustainability**, Pontificia Universidad Católica de Chile, Santiago. August 2015 –
Present
- **Lecturer in course Sustainability and Environment**, Universidad Mayor, Santiago. January 2017 - Present
- **Lecturer in Sustainability Workshop**, DUOC-UC, Santiago. March 2015 - May 2015
- **Lecturer Assistant in course Principles of sustainability**, Universidad Tecnológica Metropolitana, Santiago. March 2014 -
August 2014
- **Lecturer in course The Art of Sustainability**, Program PENTA UC of Pontificia Universidad Católica de Chile, Santiago.
December 2013
- **Lecturer Assistant in course Process Dynamics and Control**, Pontificia Universidad Católica de Chile, Santiago. March
2014 - July 2014
- **Lecturer Assistant in course Introduction to Economy**, Pontificia Universidad Católica de Chile, Santiago. March 2011 -
December 2012

Research and Investigations

- **Proposal of implementation and operation of a recycling system for the Campus Oriente of the UC based on the
expansion of the methodology of Zafra-Mejía**, César Sáez, Nicolás Labra. September 2014
- **Design of implementation of an organic waste treatment plant using vermiculture and composting for the Campus
San Joaquín de la UC**, Carmen Jiménez, Nicolás Labra. August 2014

Conferences and Seminars

- **Speaker in Seminary of Circular Economy**, Center Ideactiva for Employment, Training and Entrepreneurship of Municipality of Central Station, Santiago. December 2016
- **Manager of International Seminary of Waste Management Alternatives, Waste to Energy and Zero Waste**, Pontificia Universidad Católica de Chile in joint with Universidad de Santiago de Chile and Environment Ministry, Santiago. August 2016
- **Speaker in Seminary of Researching in Sustainability**, Universidad Tecnológica Metropolitana, Santiago. November 2015

Scholarships and Honors

- **Academic Excellence Scholarship**, Pontificia Universidad Católica de Chile. March 2008 – December 2013. National scholarship for the best performance of high school students

Graduate and Professional Courses

- **Methodology and modeling of Life Cycle Analysis**, Universidad Andrés Bello, Santiago. November 2016 - December 2016, 24 hours
- **Operation of the National Registry of Pollutant Releases and Transfers**, Ministry of Environment, Santiago. August 2014
- **First Aid and Accident Prevention**, Pontificia Universidad Católica de Chile, Santiago. November 2010, 8 Hours
- **Summer School: English language program for outstanding high school students**, Municipality of Santiago, Santiago. December 2005 - December 2007

Leadership and social activities

- **Member of Zero-Waste Chile**, National Alliance for a Sustainable Waste Management.

Languages

- **Spanish**, Native speaker
- **English**, Level C1, Score 7.0 IELTS, November 2016

Software Programmes

- **SimaPro**, advanced
- **Matlab**, advanced
- **Simulink**, advanced
- **Maple**, advanced
- **Java Programming**, medium
- **Arena**, advanced
- **AMPL**, advanced
- **R**, advanced
- **Microsoft Office (Excel, Word, PowerPoint, Visio)**, advanced
- **Microsoft Office (Excel, Word, PowerPoint)**, advanced
- **Suite Adobe (Photoshop, Illustrator)**, advanced

Interests

- **Sustainability, ecologism and environment**
- **Waste reduction, management and valorization**
- **Teaching**
- **Alternative Economies: cooperativism, self-management**
- **Politics**

Additional Informations

- **Nationality**: Chilean
- **National ID number**: 17.228.871-5
- **Marital State**: Single

References

- **César Sáez**, Professor School of Engineering Pontificia Universidad Católica de Chile, csaez@ing.puc.cl
- **Óscar Mercado**, Director of Sustainable Campus Network and Professor School of Economics Universidad Tecnológica Metropolitana, omercado@utem.cl