Paolo Francesco Riva Riquelme

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SKILLS

- Steady State Simulations (ProII, Hysys, UniSim)
- Dynamic Simulations (DynSim)
- CFD Simulations (ANSYS Fluent)
- Design and Optimization of Chemical Processes
- P&ID and PFDs
- Statistics, DoE and Data Analysis

- PID and Model Predictive Control Systems
- Economic Assessment of Processes
- Life Cycle Assessment (OpenLCA)
- Product Formulation
- ASTM Standardized Tests

EDUCATION

Politecnico di Milano *September 2017 – April 2020*
Master of Science in Chemical Engineering *Milan, Italy*
Thesis: *"Study of the kinetic model and plant steady-state simulation for the synthesis of methanol from syngas on synthetic Cu/ZnO/Al$_2$O$_3$ catalyst"*

Universidad de Concepción *March 2010 – August 2016*
Bachelor in Chemical Civil Engineering *Concepción, Chile*
Thesis: *"Polyurethane intumescent coating formulation based on tannins from Pinus Radiata"*

WORK EXPERIENCE

Accenture *February 2019 – Present*
Application Development Associate *Milan, Italy*

Accenture *September 2019 – January 2020*
Technology Trainee *Milan, Italy*

Enet Energy SA *June 2019 – July 2019*
Trainee on quantitative analyst and strategy on natural gas markets *Lugano, Switzerland*

Universidad de Concepción *November 2016 – March 2017*
Product Formulation Researcher *Concepción, Chile*

Universidad de Concepción *March 2016 – August 2016*
Undergraduate Research Assistant *Concepción, Chile*

COMPUTER SKILLS

- Office Package (Word, Excel, PowerPoint, Visio, Access)
- Programming Knowledge (Python, MATLAB, Java, C++)
- Source Control Management (Git, GitHub)
- 3D Modeling (AutoCAD)

- Programming IDEs (MATLAB, Visual Studio, IntelliJ)
- SQL, PL/SQL and Database Design (SQLite3, Oracle SQL)
- Adobe CS (Photoshop, After Effect, Premiere, Illustrator)
- Web Development (HTML, CSS, JavaScript)

LANGUAGES

ENGLISH
- Oral and Written Expression – Level B2[*]
- Reading and Listening Comprehension – Level C1: TOEIC 950

ITALIAN
- Oral and Written Expression – Level B2*
- Reading and Listening Comprehension – Level B1[*]

SPANISH
C1 - Native

[*] : *uncertified*

DOCUMENTS

- Class B Driver's License
- Chilean Passport

- Italian Passport
- EU recognition of foreign degree (Dichiarazione di Valore)