

# Diego Quintana

## Bio

My name is Diego Quintana, and I am an Electrical Engineer that has shifted its career from Power Grids Automation towards Computer and Data Science. I'm from Osorno, Chile and I'm currently living in Barcelona, Spain. My current goal in life is to maximize adventure and to minimize regret. I am curious and creative, and I am most motivated when innovating or trying out new stuff, and when I can share it with others to build great things.

You can reach me at [daquintanav@gmail.com](mailto:daquintanav@gmail.com).

## Education

### Msc, Computer Science and Engineering (Expected)

- *Master in Innovation and Research in Informatics*, with specialization in Data Science (MIRI-DS) at **Universidad Politécnica de Catalunya (UPC)**, Barcelona.
- From September 2019 to September 2021.

### Big Data Diploma

- A postgraduate Diploma (144 hrs) on Big Data at the **Pontificia Universidad Católica de Chile (PUC)**, Santiago, Chile.
- During the second half of 2017.

### Bsc, Electrical Engineering

BSc in Electrical Engineering (Six years degree), with specialization in Power Systems at **Universidad de la Frontera (UFRO)** in Temuco, Chile,

- Final grade 6.2 of 7.0
- Final project on "*Digital Substation: State of the art technologies and development of test modules using ABB devices*"
- From March 2008 to March 2016.

### Academic Exchange

- Academic exchange in the **Ruhr-Universität Bochum (RUB)** at Bochum (NRW), Germany.
- Thanks to a scholarship granted by the German Academic Exchange Service ([DAAD](#))
- From August 2014 to August 2015.

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## Work Experience

### Software and Data Engineer at CIAE, Universidad de Chile (Current position)

- From November 2017 to August 2019 (~1.5 years).
- Backend python developer and data engineer, with experience in public and private research projects related to education and social development.
- Developed extensible python ETL pipelines for cleaning and validating data obtained from the public sector in Chile.
- Participated as a teacher assistant in a training course on "*Data Science and Public Analytics*" for people of the *Chilean Department of Social Development* (English for *Ministerio de Desarrollo Social*)
- Developing currently a web platform to manage visualizations related to the Public Education Sector in Chile, using [Flask](#), [Docker](#) and [create-react-app](#)

Read more about the *Advanced Education Research Center* (english for *Centro Avanzado de Investigación en Educación de la Universidad de Chile*) in [www.ciae.uchile.cl](http://www.ciae.uchile.cl) ([spanish](#))

### Project Engineer at ABB Chile

- From June 2015 to June 2017 (two years)
- Substation Control, Protection and Automation Engineer in the *Power Grids - Grid Automation* division
- Acted as a technical lead in +10 substation automation projects ranging from simple to mid complexity across Chile.
- Develop project schedules under constraints, interacting with all the units involved.
- Provided technical assistance to the Supply Chain and the Contract Management areas.
- Acted as a technical specialist of the ABB's *Digital Substations* and *IEC 61850* portfolio in Chile, supporting sales and performing as a speaker in conferences and training courses.
- Led projects that required delegating tasks and managing small teams from other countries within ABB.

Read more about ABB in [www.abb.cl](http://www.abb.cl)

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## Tools, Skills and Programming Languages

- I'm comfortable using Debian based Linux distros.
- I'm proficient with **Python 3**. I have experience using the following packages (beware that this list is not exhaustive):

- `Flask`
- `SQLAlchemy`
- `Alembic`
- `Click`
- `pytest`
- `pandas`
- `numpy`
- `scikit-learn`

You can check my results from a [PluralSight](#) python assessment I took in 2017, which is on my [StackOverflow profile](#). I've improved since then.

- I'm fairly productive with **git**. You can check my results in the assesment available at my [LinkedIn Profile](#).
  - I try to use **Docker** and **PostgreSQL** in my projects.
  - I have experience (and I like) **teaching**.
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## Human languages

- Spanish (Native)
  - English C1 (IELTS Academic certification, 2018)
  - German B2/C1 (Test DaF certification, 2014)
  - I'm also currently learning Catalá at the *Consorci per a la Normalització Lingüística* in Barcelona
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## Professional preferences

I would like to contribute to solutions in one or more of these areas:

- Smart Grids and Smart Cities
- Networks and Distributed Applications
- Data Science for the Social Good
- Intelligence, as in *Artificial Intelligence*

I wish to get better at researching, and to develop an academic path. I *wilb/adly* consider positions that encourage this.

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