Marc **Tudurí**

BACKEND ENGINEER

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Experience

Backend Engineer   *Palma, Spain*
Advanced Programming Solutions (APSL)   *May. 2014 - present*
- Leaded medium-sized development teams. Tutored junior backend developers.
- Standardized development tools for the Development team such as web frameworks, testing tools, CI tools...
- Developed DevOps tools in Python and Go for internal team and for external clients.
- Mobile platform backend support with REST services. Support Data science team as Data engineer.

Software Engineer   *Palma, Spain*
mola.com   *Aug. 2012 - May. 2014*
- Full stack web development of more than 10 projects of the company. Mentored intern developers.

Software Developer   *Palma, Spain*
7ideas.com   *Sept. 2011 - Aug. 2012*
- Developed the whole site from the scratch. Designed an implemented an scalable database architecture.
- Built an intelligent assistant using data mining and probabilistic techniques.

System Administrator   *Palma, Spain*
University of Balearic Islands (UIB)   *Sept. 2010 - Sept. 2011*
- Administrated a small cluster of computer in a GNU/Linux lab.

Research Assistant   *Palma, Spain*
University of Balearic Islands (UIB)   *Sept. 2008 - Sept. 2010*
- Researched on metabolic pathways for the Bioinformatics and Computational Biology research group.

Education

M.Sc. in Computer Engineering   *Palma, Spain*
University of Balearic Islands (UIB)   *2006-2011*
- GPA: 82/100. Final thesis project: *Alignment of metabolic pathways using Petri nets* (graded as Excellent).

Bioinformatics and Computational Biology Master   *Madrid, Spain*
Complutense University of Madrid (UCM)   *Summer 2008*
- Summer course with a total duration of 100 hours.

Projects

Puput
Powerful and simple app to manage a blog. Wagtail app with most stars on GitHub.   *2015*

Kaneda
Python library that allows to report events and metrics of your applications.   *2016*

Others
Contributor of open source projects: Django, django-extensions, django-rest-auth, django-filters and pipenv.

Talks & Publications

LSTM networks to forecast electrical consumption   *Cáceres, Spain*
PyConEs 2017   *Sept. 23, 2017*

MP-Align: alignment of metabolic pathways
BMC Systems Biology   *May. 20, 2014*

Local piecewise alignment of metabolic pathways   *Venice, Italy*
BIOTECHNO   *May. 22, 2011*