MARTA ALONSO

2800 Quebec St NW #1155 / Washington, DC 20008 / (213) 519-1624
malonfe@gmail.com / www.linkedin.com/in/malonfe / github: malon

PROFILE

Telecommunications Engineer with **12 years** of industry experience. Reliable **Software developer** and **Data Enthusiast.** Hardworking and outgoing colleague. Leader of initiatives to promote a nice and productive work environment.

PROFESSIONAL EXPERIENCE

Newspapers & Media – LA NACIÓN (2015 -2016) – Buenos Aires, Argentina
Biomedical Innovation – IMAXDI REAL INNOVATION (2011 – 2014) – Spain
Fisheries industry – SAEC DATA (2008 – 2011) – Spain
Telecommunications – TELINDUS BELGACOM (2005 – 2007) – Spain
Software and Networking – GTI (2004 – 2005) – Spain
Technology global solutions – IBM (2003) – Spain

Remarkable projects:

- **Elections data optimization for newspaper printed edition**: Data wrangling and processing (Python) to reduce the publication window from 1:30h to 15m, crucial on election's night. Our work received a Malofiej 2015 Award.

- **Buenos Aires Budget visualization**: Open Data driven application (Django & D3) created to improve citizen's access to information, from raw formats to comprehensive graphics, hierarchical navigation and yearly comparisons.

- **Real time remote diagnosis device:** Sending bio data remotely to the specialist phone (Java & Android) who triages and diagnoses the patient on advance, reducing the Door-to-Balloon time in a cardiac emergency to the minimum, which is estimated in 30m at the catheterization lab.

- **Machine-vision to scan and classify scallops**: Application (C#) to automatically classify scallops using image processing and numerical analysis, automating and speeding up the process to a rate of 2 scallops per second.

PUBLICATIONS AND CONFERENCES

Speaker: Latinas in Computing - Latinity Conference, Chile (2015)
Book: Sensing Technologies for Precision Irrigation (Ed. Springer 2013)
Article: Scanning Scallops in 3-D (VisionSystems Design Magazine Jan 2011)

EDUCATION

Master's degree in Development of Open Source Software Projects – REY JUAN CARLOS UNIVERSITY (2010 – 2011) – Madrid, Spain
Master's project: Web Architecture for solving Economical Models – CZECH TECHNICAL UNIVERSITY (2001) – Prague, Czech Republic
Telecommunications Engineer Master's Degree with specialization in Telematics – VIGO UNIVERSITY (1996 – 2001) – Vigo, Spain

TECHNICAL SKILLS

Python, Java, JavaScript, HTML, CSS, SQL, Linux, Data analysis, wrangling and visualization

LANGUAGES

Fluent English
Native Spanish
Basic Portuguese

COMMUNITY ENGAGEMENT

DjangoGirls Coach

HacksHackers Tech & Journalism volunteer

Artificial Intelligence project trainer

ABOUT ME

Round-the-world traveler & blogger, international food enthusiast

Engaged with associations that promote the role of women in STEM