

Triana Mariscal Cortés

Biomedical Engineer

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Profile

Biomedical engineer specialized in the development of biomaterials.

- Specialized engineering knowledge (math, physics, science and medicine).
- Ability to solve problems, as well as the application of logic and creativity to think new ways to solve problems.
- Commitment and willingness to keep up on the advances of new technologies and scientific advances.
- Good practical skills.
- Interpersonal and communicative skills to work as part of a team and interact with different professional profiles, for example, engineers, nurses, doctors and therapists.
- Organizational skills to plan work and available resources.

Professional experience:

Data Science Researcher

March 2017- August 2017:

Visual Telecommunications Application Group, Higher Technical School of Telecommunications Engineers, Polytechnic University of Madrid.

Project Name: ICT4life, an H2020 Project.

Contact details: mqg@gatv.ssr.upm.es

ICT4Life aims at increasing the quality of life and the autonomy of individuals with early or intermediate stage cognitive impairment at their own homes, nursing homes, day care centres and hospitals by providing proactive and patient centred care from caregivers and health professionals thanks to the help of user-friendly IT solutions. As a Biomedical engineer in this project I was the linkage between the Clinical professionals and the engineers group. I was also in charge of the preparation and the implementation of the sessions with Parkinson and Alzheimer patients.

Other developments carried out by me were the ones related to Data Science. The main objective of them was the correlation of the data mainly gathered from the sensors (cameras, bracelets...) and the medical data (tests, scales...) in order to assist patients in their daily life, caregivers in order to select the most comfortable solution for the routines of the patients, and professionals to provide some extra information in the election of the treatment.

Researcher

July 2015 - February 2017:

Center for Biomedical Technology. Biomaterials and regenerative engineering laboratory.

Contact details: jose.perez@ctb.upm.es

Working at CTB (Center for Biomedical Technology of the Polytechnic University of Madrid), at the Biomaterials Laboratory as a researcher for my bachelor thesis. I'm working on the development of new bioinspired fibers for biomedical applications. In collaboration with different groups we pursue to obtain, by means of genetic engineering, proteins with optimized composition for the production of fibers. Simultaneously, we are developing new ways to spin fibers. Our homemade devices include different apparatus for fibers spinning and characterization of silk solutions. Our ultimate goal is to produce high-performance biocompatible fibers.

Clinical Assistant

July 2012- June 2015

Clinica Mariscal (Intern medicine, Endocrinology and nutrition Rheumatology, ENT and Plastic surgery clinic)

Contact details: Ana Isabel García +34 91 5764548

Part time job (combined with university studies) working at a clinic as a Clinical assistant to the Nursery and Medical department. I help out at the Clinical Laboratory and the patient's examinations. I also managed patient's appointments and administration and filing out clinical records.

Other jobs

2011-2012:

G-STAR Showroom, Madrid, Spain.

Contact details: Soraya P-fost +34 620 41 25 64

Part time job (combined with university studies) for G-STAR, managing store retailing systems.

Summer 2010:

Location: Marbella, Spain

Name of the Organization: Urbanismo Integral

Contact details: Macarena Álvarez +34 658 76 02 57

I worked as a secretary in a law firm, managing appointments and administration.

2007-2018:

Teaching private lessons, principally for children with deficit of attention or young deaf people.

Waitress in different caterings during last two years, the most prominent being: "El toque de María".

Education

Bachelor degree in Biomedical Engineering

Carlos III University of Madrid. (2016)

Genomic Medicine and Precision

Online course provided by the University of California, San Francisco. (April-May 2014)

Understanding the Brain: The Neurobiology of Everyday Life

Online course provided by the University of Chicago. (April- July 2014)

First year of Nursery

Complutense University of Madrid. (2010)

Languages proficiency

Spanish

My native language

English

Written and spoken: Advanced/fluent. IELTS: 8,0

I spent a couple of summers living in England and Ireland with a foreign family.

I also studied my bachelor's degree completely in English.

German

Written and spoken: Basic level A1.

Other skills

- Computers systems: User-level management of Microsoft office, MATLAB, movie maker, image processing and graphics, web design. Extensive knowledge of Android systems.
- Biology, physics and electronic laboratory practices at the University Carlos III of Madrid.
- Licensed in Olympic handgun shooting.
- Skilled in self-defense, combat with weapons and police training.

About me

- Volunteering: Distributing food in the street and helping care centers for elderly and handicapped. Also with children at the pediatric oncology unit at La Paz hospital of Madrid. I also spend several summers at other countries as a volunteer.
- I love sports very much, also music and movies.
- I love travelling, meeting new people, learning about other cultures.