

Laura G. Antiga

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## Experience

- 2018-2020 **Data Analyst Intern**  
*University Pompeu Fabra in collaboration with University KU Leuven*  
Statistical analysis with R of post-mortem human blood RNA-seq samples.
- 2018 - 2019 **Full-Stack Developer**  
*University Pompeu Fabra*  
Responsible for developing a database and a web application for access and storage for inventorying antibodies, built with PHP, MySQL, HTML and CSS.
- 2018 - 2019 **Python Developer**  
*University Pompeu Fabra*  
Created a protein model builder in Python and its UI in order to create 3D protein models from pdb files containing paired strands of proteins.
- 2016 - 2018 **Teacher**  
*Aula Ítaca and Private*  
Group and individual classes for secondary and high school students for: Mathematics, English, Spanish, Sciences and Chemistry: daily homework, content questions and progress evaluation.
- 2016 – 2019 **Executive Assistant**  
(summers) *Boxwedl S.L.*  
IT help desk and in charge of calling clients and get or upgrade information stored from clients in the database. Also in charge of maintaining the database.

**Publications** First co-author of “Identification of mRNA expression patterns in the human blood thanatotranscriptome: ‘Dead, but not entirely’”.

## Education

- 2018 – present **Bioinformatics for Health Science MSc**  
*University Pompeu Fabra (UPF) - University of Barcelona (UB)*  
Study focused on data science, analysis and algorithms applied to health data, including genomic data. Development of tools for extracting valuable conclusions from big data dataset.  
MSc thesis: “Identification of mRNA expression patterns in the human blood thanatotranscriptome: ‘Dead, but not entirely’”
- 2013 – 2018 **Genetics BSc**  
*University Autonomous of Barcelona (UAB)*  
BSc thesis: ‘Evolution of storage methods of genomic data in the forensic field’

## Skills

Self-learning ability and disposition. Fast learner. Experience in academia prepared me for studying complete and advanced topics, working in team and inter-disciplinary groups, writing reports or articles and thinking outside of the box and challenging myself.

High organization skills learned and practiced during my experience and executive assistant, waitress and teacher.

**Platforms:** OS Linux, Windows OS and Microsoft Office tools

**Data analysis tools:** R studio, bioperl

**Programming:** Python, R, Bash scripting, Perl, PHP, HTML, CSS, SQL

## Courses

- 2019 **Machine Learning** – Stanford University, Credential ID: 753NYGVGT6XA
- 2019 **How to Use Git and GitHub** – Udacity
- 2016 **Intro to Relational Databases** – Google, at&t and GitHub, Intermediate Level

## Other activities

- 2012 - 2018 **Waitress**  
*Club Nàutic Sant Pol de Mar and Tagliatella*  
Customer services and kitchen support duties. Responsible for a dining room management in highest capacity seasons and festivities.
- 2016 **Database Developer**  
*University Autonomous of Barcelona*  
Human bone identification duties and development of a database to store that information for the forensic anthropology department.
- 2012 **Children Daycare Centre Monitor**  
*Ninis*  
Activities and monitoring for kids from one to 4 years old.
- 2012 **Forest work**  
*Scotland Welcome Trust*  
Volunteering stage repairing forest paths and cleaning forest areas from invasive plant species.

- Languages**
- English** – C level
  - Spanish** – Native
  - Catalan** – Native
  - French** - Basic