URSZULA CZERWINSKA
Data Scientist

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Dynamic young scientist with an entrepreneurial spirit and high interest in Big Data, IoT, fintech & business analytics. Communicating in five languages, with three years experience working in scientific projects and a greentech start-up co-founder. Self-directed innovator looking for an opportunity to transfer from academia to industry.

PROFESSIONAL EXPERIENCE

2015- **Data Science for Cancer Immunology** *(3 years)*
- blind source deconvolution : technic adaptation and improvement, development of an **R package**
- design of simulated data
- **Machine Learning** applied to multidimensional data (predictive analysis)
- Data Visualization (R ggplot2, Tableau, D3.js)
- programming (R, Python, javascript)
- project management ; oral and written communication; worked in a team of 15 people
Institut Curie, Paris Descartes, Centre de Recherches Interdisciplinaires, Paris

2017 **Big Data Analytics** of mobile transactions (e-money) *(5-week project)*
International Finance Corporation (IFC) : Word Bank group & TOPIX, Turin, Italy

2017 **Business consulting** for a start-up: *certificate in Business and Administration (3-week project)*; *Mask Generation, Sorbone Paris Cité, Adoc Talent Management, Paris*

2015 **Benchmarking of machine learning algorithms** for biomarkers detection *(5-month internship); Institut Pasteur, Paris*

2015 **Developed a new data-driven visualization** for multidimensional data *(6-month internship);*

2013 **Network analysis** of a protein kinase signaling pathways *(two-month internship); Université de Montpellier II, Montpellier*

2012 **Conception of a pipeline of data analysis** for metabolomics data *(one month internship); CNRS Roscoff, Bretagne*

OTHER EXPERIENCE

2017 **Data Science** Summer School *l'Ecole Polytechnique*
2016 **Founder** of **CRI-Data Science Club** *CRI, Paris*
Senior blogger at *PLOS Computational Biology*
Data Science Ambassador at *Pivigo, London Data Science Hub*
Tutoring in Informatics, Statistics and Mathematics *Pharmacology, Paris V*
2015 **Start-up co-founder**, Eco-Smart Solutions *L'accelerator l'Open Lab Paris*

EDUCATION

2015- **PhD**, Institut Curie, Paris Descartes, Centre de Recherches Interdisciplinaires (CRI), European doctoral school fondation Bettencourt Schueller

2015 **Master**, Interdisciplinary Approaches to Life Sciences (AIV), Center for Interdisciplinary Research (CRI), Paris Diderot 1st/25, **summa cum laude**

2013 **Exchange** Student at National University of Singapore

Double **Bachelor in Science** Biology-Mathematics in UPMC, **cum laude**

2010 Bilingual High School in Warsaw, **summa cum laude**

COMPETENCES
Technical
Data Science ●●●
R ●●●
Python ●●○
Data Visualization ●●●
Big Data ●○○
Languages
French ●●◐
English ●●◐
Polish ●●●
Spanish ●●○
Russian ●◐○
Other
Management ●●○
Entrepreneurship ●◐○
Communication ●●○

CERTIFICATES
Big data - BIG DIVE, Italy

Certificate of Business and Administration Sorbonne Adoc management

Certificate of Disruptive Technologies and Public Policy SciencesPo Paris

Spanish certificate B2 Paris city hall

English certificate TOEFL C1

ACHIEVEMENTS
1st en Europe, 8th/208 in Business Simulation team Capsim Challenge Fall 2016

2nd awards and audience awards in professional pitch competition at PhDTalent fair 2016

Software: DeDaL Cytoscape app

Talks at international conferences (>100 people)

1st authored publication in a peer-reviewed scientific journal and co-authored publications