Serena Peruzzo

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PROFESSIONAL EXPERIENCE

Bardess Group, Remote / Toronto, ON
Senior Consultant - Data Scientist   Apr 2018 – present
- Research, design and implement data science solutions and machine learning models
- Provide mentoring and guidance to junior data scientists. Ensure project milestones are met on schedule
- Consult with clients to determine and document project requirements, identify pitfalls and recommend solutions, present results through formal and informal reporting
- Led the development of the POC for a full-stack solution for analytics for the main public provider of healthcare data in Canada. Worked with the client to define requirements. Designed an integrated solution for storage, processing, metadata management and visual and predictive analysis of big data combining various technologies including Hive, Impala and Spark. Oversaw implementation and provided documentation across all aspects of the project.
- Lead internal initiatives to increase engagement and improve remote working culture at Bardess

Eggbun Education | Remote / London, UK
Lead Data Scientist   Jun 2017 – Mar 2018
- First data hire, researched and implemented ML algorithms to customize the virtual tutor and user's learning experience
- Designed and oversaw the implementation of the ETL pipeline for data analytics
- Trained the rest of the company on A/B testing and supported them with experiment design and analysis
- Designed metrics to analyze user's behaviour and built a dashboard to support marketing and content creation

BulbThings | Remote / London, UK
Lead Data Scientist   Oct 2016 – May 2017
- First data hire, worked closely with the CPO/CTO to define the data analytics features and roadmap for BulbThings
- Built metrics and tools for analysis of customer's behavior to support the marketing team

Technical University of Eindhoven, Computer Science Dept. | Eindhoven, NL
Researcher   Dec 2015 – Sep 2016
- Research on data-driven predictive maintenance with focus on neural networks and unsupervised machine learning for extracting features from multivariate time series ([ETFA 2017](#))
- Built experiments in python using various ML libraries including tensorflow and keras

Portent.io | Remote / London, UK
Data Scientist   June 2015 – Nov 2015
- Prototyped features and models in various Python libraries including pandas and scikit-learn
- Identified, researched, and analysed new data sources to improve model accuracy
- Automated a system for anomaly detection in social media data streams

Symbolix Pty Ltd | Melbourne, AU
Consultant - Statistical Analyst   Mar 2012 – Dec 2014
- Built, maintained and documented scripts for data management and statistical analysis in R and SQL
- Communicated analysis outputs and made recommendations through formal and informal reporting

EDUCATION
B.Sc. Statistics and CS for Business | La Sapienza University of Rome   Sep 2005 – May 2009
M.Sc. Statistics | La Sapienza University of Rome   Sep 2009 – Apr 2011
Recurse Center   Feb 2015 – May 2015

TECHNICAL SKILLS
Python, R, SQL, NoSQL, Hive, Impala, Spark, JavaScript, D3

SPEAKING, MENTORING AND OTHER ACTIVITIES
Speaker at industry conferences including: PyData Amsterdam, ODSC East. Organizer for Papers We Love - Toronto and Eindhoven Data Science meetups. DataKind UK Data Ambassador and community committee member. Mentor for data science online courses via Springboard and K2 Data Science.