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Giorgio Zorzi

Summary

Multi-skilled and versatile professional with start-up experience from solely creating the MVP to building and leading a team of 3. Experience pitching to VCs, clients and investors as well as designing roadmaps for project launch. Represented the company at various accelerator programmes, including Techstars Indianapolis. Passionate about technology and transformation with an ability to learn new technologies. Experience mentoring team members and documenting best practices. Self-motivated activator, tenacious, resilient and reliable. Excellent organisation and time management skills.

Experience

Nov 2019 – Present

Technical Lead, *Cybrik Inc (Startup)*

- Led development team of 3 (frontend and backend developer and data scientist) defining requirements and timelines
- Supported the company through the Techstars Indianapolis accelerator program
- Created product MVP with a React.js frontend, a Python backend and data ingestion using Apache Airflow
- Created Kubernetes infrastructure in Azure
- Built pipelines in Github to support Continuous Integration and Continuous Delivery
- Interacted with Product Stakeholders to capture and implement new features and modify existing ones
- Strong debugging, monitoring, and troubleshooting skills

Aug 2019 – Oct 2019
fixed term

Data Scientist in Machine Learning, *ONYX InSight and University of Strathclyde*

- Applied data mining techniques and statistical analysis to extract valuable information from wind turbines
- Analysed complex dataset using Natural Language Processing
- Applied Machine Learning techniques, transforming raw data into valuable insights
- Created a Graphical User Interface for data visualisation which will help the final user analyse the data, achieving a time saving of up to 90%
- Strengthened proficiency in Python and ability to write standardised code

Oct 2015 – Jul 2019

PhD Researcher in Wind Energy Systems, *University of Strathclyde*, Glasgow

- Identified new and innovative ways of extracting more information from wind turbines in order to maximise the energy production
- Concluded a research that proposes new ways of maximising energy production whilst reducing costs
- Achieved and developed excellent project management and time management skills
- Acquired excellent research and technical knowledge, as well as commercial awareness in the field of wind and renewable energy

Feb 2019 – Mar 2019
fixed term

Project Manager/ GHG Reporting Consultant, *LivaNova Plc*

- Managed the project of Greenhouse Gas (GHG) Inventory, reporting directly to the VP of Operations and Manufacturing
- Reviewed and conducted a health-check of previous GHG reports, followed by a gap analysis
- Collected data from the company's worldwide operations in 9 manufacturing plants with respect to the mandatory scopes
- Drafted the GHG report which was included in the UK Annual Report as well as a presentation for the Board of Directors, highlighting results and making recommendations for future GHG Inventories

Sep 2018 – Nov 2018
fixed term

Research Assistant, *ORE Catapult and University of Strathclyde*, Glasgow

- Developed an algorithm using MATLAB Simulink for the optimisation of a Battery Storage System
- The algorithm was designed to maximise the Internal Rate of Return, used for capital budgeting and estimation of the profitability of potential investments
- Achieved commercial awareness and strengthened my technical knowledge in algorithm development

Apr 2018 – Jul 2018
fixed term

Research Assistant, *SSE Plc and University of Strathclyde*, Glasgow

- Developed a MATLAB algorithm designed to characterise the Wind Turbine Power Curve in an innovative way using SCADA data, which can also be used for SCADA data cleaning, substantially reducing the time spent on the task
- Consolidated my technical knowledge of algorithm development and strengthened my project management skills

Oct 2015 – Jul 2019

Teaching Assistant, *University of Strathclyde*, Glasgow

- Selected as teaching assistant for wind, solar and hydro energy for the graduate program
- Assisted the lecturer in the delivery of the aforementioned subjects
- Mentored undergraduate students

Oct 2011 – Jun 2012

Teacher, *ITT San Zeno*, Verona

High School Teacher of Electrotechnics, Systems and Electrical Installations.

- Designed the course and course materials for the above technical subjects in 4 different classes of high-school students
- Managed and led the lessons, graded exams and assignments
- Ensured that the students received excellent academic knowledge, in line with the national curriculum and at the highest standard

Education

Oct 2015 – Aug 2019

PhD Researcher in Wind Energy Systems, *University of Strathclyde*, Glasgow

"Improved Yield from Wind Turbines through online anomaly detection and compensation"
Awarded EPSRC grant for the duration of the project

Sep 2010 – Jul 2014

Master's Degree in Electrical Engineering, *University of Padua*, Italy

Sep 2005 – Apr 2010

Bachelor's Degree in Electrotechnical Engineering, *University of Padua*, Italy

Competences

- Excellent proficiency in Python
- Excellent knowledge of FastAPI for creating RESTful APIs with OpenAPI specifications and swagger documentation
- Excellent knowledge of docker and docker-compose
- Excellent knowledge of Linux operating system
- Excellent knowledge of Kubernetes and Helm
- Good proficiency in Javascript
- Good knowledge of PostgreSQL, MongoDB and Elasticsearch
- Good knowledge of Azure and AWS
- Good knowledge of Python libraries for machine learning such as scikit-learn and TensorFlow