



Chris Coutinho

Profile

Data analyst and research professional, with a strong background in data analytics and predictive modeling in industrial processes.

Looking for a new role that bridges the gap between a highly-technical team and stakeholders to enable data-driven innovation and insight.

Contact

- Amsterdam, The Netherlands
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Languages

English (native)
Dutch (C1)

Interests

- Personal
Travelling
Cycling
Climbing
Drumming
Salsa

Projects

Kindervakantie 2020
A yearly project to take disadvantaged families from Amsterdam on an unforgettable vacation

Education

- Bachelor of Science in Environmental Resource Engineering
Humboldt State University, Arcata, CA, USA. Sep 2009 - Dec 2013
Evening class: Dutch
Gemeente Leeuwarden, Jan 2015 - Jun 2015
Achieved C1 language skill in Dutch

Experience

- Data Engineer
FOCUSCURA, Driebergen, Netherlands, Oct 2019 - Present
Reduced data transfer by 90% between CRM and ERP systems by replacing a recurring batch synchronization process with a near-real-time synchronization workflow using event-driven cloud services, primarily Azure Service Bus and Event Grid
Built a system to ingest (IoT) sensor data of remote personal alarm devices that helps prioritize service trips, resulting in a projected savings of €300K per year.
Data Analyst/Researcher
REDSTACK, Sneek, Netherlands. Oct 2014 - Oct 2019
Developed and maintained data analysis ETL system with respect to industrial data acquisition technologies (SCADA) and big data at the Afsluitdijk pilot facility.
Analyze experimental results conducted at the Afsluitdijk pilot facility, and developed dashboards for decision-makers.
Use computational fluid dynamics (CFD) simulations to aid product development with academic and industrial project partners.
Organized and conducted software development workshops to enable better data analysis pipelines, build on best-practices, and increase collaboration within the organization.

Skills

- Python
Public Speaking
(No)SQL
Containers
Cloud (Azure)
Statistics
Linux
Clojure

Publications and Achievements

- Galen O'Toole et al. "River-to-sea pressure retarded osmosis: Resource utilization in a full-scale facility". In: Desalination 389 (July 2016), pp. 39-51. ISSN: 00119164. DOI: 10.1016/j.desal.2016.01.012
Rotaract Amsterdam - since 2018
Toastmasters Leeuwarden - Best Speaker of the Evening 2016
Boy Scouts of America - Eagle Scout Award 2009