



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 technical staff and decision makers by enabling highly productive communication.

Contact

Amsterdam, The Netherlands

chrisbcoutinho@gmail.com

+31 (0)6 1689 0287

cbcoutinho

ACC5 190D 2F6F 160F

Languages

English (native)

Dutch (C1)

Interests

Personal

Travelling

Cycling

Climbing

Drumming

Salsa Dancing

Projects

Kindervakantie 2019

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
General training in the basic sciences with a focus on water treatment and transport phenomenon in environmental systems.
- Evening class: Dutch
Gemeente Leeuwarden, Jan 2015 – Jun 2015
Achieved C1 language skill in Dutch.

Experience

- Data Analyst/Researcher
REDSTACK, Sneek, Netherlands. Oct 2014 – Present
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 RED stack results conducted at the Afsluitdijk pilot facility, and developed data analysis dashboards for decision-makers.
 - Maintain facility operation and plan experiment scheduling at the Afsluitdijk pilot facility.
 - Develop predictive models for future RED stack development.
 - Use computational fluid dynamics software (CFD) to aid stack and membrane development with academic and industrial project partners.
 - Organized and led software development workshops to enable better data analysis pipelines, build on best-practices, and increase collaboration within the organization.
- Environmental Engineering Intern
CRACYP (CORPORACIÓN RED ARBORIZADORA CAMPO Y PROGRESO), Jilimbí, Ecuador. Jun 2013 – Aug 2013
Designed and constructed a household drinking water treatment system. Detailed achievements include:
 - Developed a GIS database for community planning.
 - Designed and implemented the construction of a multi-step slow-sand water treatment filter.
 - Investigated local water supplies for possible contamination, and gave instructional lectures to locals about benefits of disinfection.

Skills

Python

Statistics

SQL (Server/Postgres)

Linux

Virtualization (Docker)

Clojure

Public Speaking

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