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 unforgetable 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

- 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.

- Research Trainee
DELTARES, Delft, Netherlands. Jun 2014 – Aug 2014
Implemented various numerical experiments using WANDA, a validated software package for designing pipeline network systems. Numerical experiments were used to validate new features in development.

- 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:
  - 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
- ●●●○○ SQL (Server/Postgres)
- ●●○○○ Virtualization (Docker)
- ●●●●○ Public Speaking
- ●●●○○ 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