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Laurens Stoop MSc

As a PhD student I do research on the data mining in energy systems. The focus is this research lies within critical weather situations that harm the electricity net when a high percentage of renewable energy source is present, both current and future climate are considered.

EDUCATION

2018 – present

PhD Informatics & Energy Science, Utrecht University

— Project: Algorithmic Computing and Data-mining for Climate integrated Energy System Models (ACDC-ESM)

2016 – 2018

MSc. Climate Physics, IMAU, Utrecht University

— Thesis: Blackouts are not an option; Or a study of extreme weather and high impacts in compound energy production and energy shortage

2012 – 2016

BSc. Physics and Astronomy, Utrecht University

— Minor in Education of Physics

— Thesis: Framework development for HiSPARC project

WORK EXPERIENCE

november 2017 – july 2018

Research intern; Royal Netherlands Meteorological institute

As a research intern I worked on obtaining meteorological characteristics of the highest societal impact events due to renewable energy use out of 2000 years of daily climate simulation data for two different models and two climate states.

march 2017 – november 2017

Lab assistant; Atmospheric Chemistry Group Lab of IMAU

As a lab assistant I was responsible for running and maintaining the H₂ isotope measurement system, the data analysis and system calibration.

2005 – Present

Team leader; Scouting Rambonnetgroep Zeist

Over the years I have volunteered as the leader of different age groups and play an active roll in the organization. I also followed courses to gain the required qualifications:

summer 2013
autumn 2015
spring 2018

- *Team leader Certified* through the Scouting Academy;
- *First Aid Certificate* including first aid for kids ;
- *Certified Camp Guide* through the Scouting Academy.

EXTRACURRICULAR ACTIVITIES

During my studies, I have been an active member at my study association, A-Eskwadraat. I participated in multiple committees, among which:

spring 2013 – fall 2016

- *TeXniCie*: Where I aided the development of the A-Eskwadraat L^AT_EX-packages and taught the advanced L^AT_EX course;
- *Almanac 2013*: Where it was my responsibility to typeset the Almanac;

summer 2013 – spring 2014

To unwind I love reading epic fantasy, tinkering on my classic car and hiking in mountains.

LANGUAGES

Dutch (*native speaker*)

English (*fluent*)

German (*elementary*)

SKILLS

Problem solving

Result driven

Critical thinking

Event organisation

PROGRAMMING

Python 2 & 3

L^AT_EX

C, C++, CDO, NCO

Bash, Shellscripting

REFERENCES

Details of references can be obtained on request.