Quan Pan

Work permit: Dutch | **Date of birth:** 18/11/1984 | **Place of birth:** Shanghai, China |

Nationality: Chinese | **Sex:** Male | **Phone:** (+31) 619213185 (Mobile) | **Email:**

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ABOUT MYSELF

Work hard and smart.

WORK EXPERIENCE

DSSFACTORY – VOORHOUT, NETHERLANDS

FREELANCER – 01/09/2023 – CURRENT

- Provide consultancy services, ensuring high-quality solutions and client satisfaction.
- Conduct geo-spatial data analysis, hydraulic calculations, and AWS cloud extends, improving accuracy and performance of simulations.

KWR WATER RESEARCHER INSTITUTE – NIEUWEGEIN, NETHERLANDS

RESEARCHER – 01/02/2021 – 31/08/2023

- Collaborated with drinking water companies, designing solutions to address future challenges.
- Implemented problem-solving techniques, resulting in improved water supply strategies and increased stakeholder satisfaction.
- Developed tools for simulation, data analysis, machine learning and digital twins.

IHE-DELFT – DELFT, NETHERLANDS

GEOSPATIAL PROGRAMMER – 01/08/2019 – 31/07/2020

- Utilized spatio-temporal data for water productivity calculation, providing actionable insights for sustainable water management.
- Developed scientific software.

DELTARES – DELFT, NETHERLANDS

DATA SCIENTIST – 01/08/2018 – 31/07/2019

- Processed and analyzed various datasets, contributing to multiple EU, UN, and FAO projects.
- Developed tools for data analysis, machine learning, and web application.

UNESO-IHE – DELFT, NETHERLANDS

RESEARCHER – 01/10/2012 – 31/07/2018

- Conducted scientific research on hydraulics, hydrodynamics, and water quality, contributing to several EU projects.
- Guided master students and supported PhD projects.
- Developed web-based decision support system, visualization and optimization software.

SHANGHAI DREDGING COMPANY – SHANGHAI, CHINA

ENGINEER – 01/07/2007 – 30/06/2010

• Land reclamation and dredging project management.

EDUCATION AND TRAINING

01/10/2010 – 30/06/2012 Delft, Netherlands
MASTER OF SCIENCE UNESCO-IHE

Website https://www.un-ihe.org ∣ **Field of study** Coastal Engineering and Port Development

01/09/2003 – 30/06/2007 Wuhan, China
BACHELOR Wuhan University

Website https://en.whu.edu.cn/ ∣ **Field of study** Port, Coast and River regulating engineering

SKILLS

Data analysis ∣ Machine learning ∣ Numerical simulation ∣ Mathematical optimization ∣ Hydraulics ∣ Hydrodynamics ∣ Water quality ∣ Risk analysis ∣ GIS ∣ Python ∣ C/C++ ∣ PHP ∣ Javascript ∣ PostGIS ∣ Git ∣ Docker ∣ Linux ∣ Troubleshooting ∣ Support ∣ Collaboration

LANGUAGE SKILLS

Mother tongue(s): **CHINESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
DUTCH	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user