SUMMARY

Hi! I am Xuan currently living in Delft, Netherlands. I am a rigorous master's engineering student with a great passion for data. Being educated in an international environment, I am equipped with both strong technical academic background and an open mindset.

I am looking for a full-time data-driven field job (Data Engineer, Data Analyst, Data Scientist) in which I can put my skills into practice and develop myself into a skilled data professional.

SKILLS

- Matlab, Python, C
- Statistical signal processing and modelling
- Exploratory data analysis
- Power Doppler ultrasound
- Signal Processing
- System engineering
- Machine learning
- Jira management tool
- Arduino embedded system development
- Analytical thinking
- English, Chinese, Dutch
- Guitar, Ukulele, R&B, Dancing

CONTACTS

xuangao.tudelft@gmail.com

@xuan-gao1

@xuangao6

+31644845193

XUAN GAO

DATA ANALYST & SCIENTIST

EDUCATION

TU Delft, Netherlands
MSc. Electrical Engineering (signals & systems)
Sept. 2021 – July 2023 (expected graduation date)

- Thesis topic: Improving clutter filtering techniques on micro-Doppler ultrasound imaging (at Erasmus MC)
- Focus on biomedical signal processing, data analysis

University of Essex, UK
Northwest University*, China
BSc. Electronic system engineering & Electronic Information Science and Technology
Sept. 2017 - July 2021

- *A joint double-degree bachelor program
- GPA: 3.62/4.0 & First Class
- BSc. thesis: LTspice simulations of a four-switch buck-boost converter

University of Southampton, UK
Summer school student | July 2019 - Aug 2019 | GPA 93/100

EXPERIENCE

Resident Assistant at DUWO student housing, Delft
July 2021 – Aug 2023

- Assisted 35 students to settle down to their new places and answered email questions from 250+ students.
- Improved communication and customer-focused skills.

PROJECTS

Check them on my Github:
Below you can find my most relevant projects

Avocado Price Regression

- The task consisted in developing an end-to-end data pipeline, including data treatment, feature extraction, and developing a prediction model
- My work focused on exploratory data analysis on price patterns , regression methods theories, and four regression model comparisons.
- We managed to predict the avocado price using linear regression, support vector machine, empirical Bayesian regression, and Bayesian regression methods with RMSE scores smaller than 0.15 and R2 score close to 1.
- The task presented challenges due to extensive data processing, data from diverse regions, and the high necessity of computing resources.