

JIAN WANG

Applied Mathematical Student

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Glasgow, UK

EDUCATION

Applied Mathematical

The University of Glasgow

2021

Glasgow UK

Expected 2:1 and above degree

Electrical Engineering

Huaihai Institute of Technology

2012 - 2016

Jiangsu China

GPA:86/100

CO-CURRICULAR/ EVENTS

Outstanding graduation dissertation

2016 Outstanding graduation dissertation: Stochastic model in Ebola Virus spread

Meritorious Winner

2015 MCM/ICM Mathematical Contest in Modelling and Interdisciplinary Contest in Modelling. Problems: Traffic flow

Honourable Winner

2014 MCM/ICM Mathematical Contest in Modelling and Interdisciplinary Contest in Modelling. Problems: Epidemic Spread

Accessit

2015 National Mathematical Contest in Modelling.

National project 2014

The manager of National undergraduate experimental innovation project

SKILLS

Matlab, Julia, R, C, SQL



LaTeX, Microsoft office



INTERESTS

Mathematical Biology

Computers

PDE

Problem Solving

Boxing

LEARNING

- R programming** Proficiency course on R by Johns Hopkins through Coursera.
- Julia Scientific Programming** Proficiency course on Julia by University of Cape Town through Coursera.

RESEARCH WORK

Traffic model (2015)

- The model based on cellular Automata and Monte-Carlo method aim to solve the traffic congestion problem under the influence of "Keep right except to pass rule", simulating the traffic on two-lane freeway based on Simulink platform, recording the average velocity, overtaking rate, road density and danger index to assess the performance of keep right rule by comparison with unconstricted rule

Epidemic model (2016)

- The model based on SEIR multi-agent system aims to detect the relationships between different intervening factors and Infected numbers. Netlogo and Simulink been used to output the solution curve of SEIR numbers

Chinstrap penguin Conservation strategy (2021)

- The model based on the proposed Usher matrix to analyse the dynamic changing pattern of Chinstrap penguin species' numbers at Antarctic land and its factor's elasticity's, aims to propose a conservation strategy for protecting the penguin species

Multi-species competition model (2021)

- This model built for detecting travelling wave phenomenon and its application of a certain multi-species environment, aims to find solutions to its PDE system and based on it to analyse the competition mechanism among multi-species

CAREER INTERESTS

Data Analyst

Business Report

Artificial Intelligence

Bio Computing

Data analyst(2016-2018)

- Work as a data analyst at a real estate corporation, daily routines cover: Analysing daily sales data to present findings and figuring out the problems behind the operation by consulting report.
- Utilising knowledge of data modelling and statistical method to build up product life cycle model for indicating sales and production.
- Undertaking logistical manager responsibilities during data analyst career period and build up and put up an optimization method of warehouse picking path based on deviation degree into application for improving picking-up