

WENPENG LI

Juf van Kempenstraat 55 ◊ Hoofddorp ◊ AMS ◊ Netherlands ◊ 2132 ZV

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EDUCATION

Tsinghua University (THU)	Beijing, China
Department of Industrial Engineering	201808 – 202107
GPA:3.62/4	

◊ M.E. in Logistics Engineering.

Beijing Information Science & Technology University (BISTU)	Beijing, China
School of Mechanical and Electrical Engineering	201109 – 201507
GPA:88/100	

◊ B.E. in Industrial Engineering.

PUBLICATION

Wenpeng Li, Lixin Miao, Peng Yang, “Simulation analysis of robotic mobile fulfillment system based on cellular automata”, Internatinoal Journal of Simulation Modelling, July, 2021.20-3, 583-594. ([DOI:10.2507/IJSI-MM20-3-CO13](https://doi.org/10.2507/IJSI-MM20-3-CO13))

Wenpeng Li, Bokui Chen, Shaojun Liu, Chloe Chenqu Cui, Zhongjun Ding, “Analysis of Warehouse picking efficiency based on cellular automaton”, The 3rd International Symposium on Multimodal Transportation([ISMT 2019](#)), September, 2019, Singapore. Conference presentation.

WORK EXPERIENCE

HAI ROBOTICS B.V.(Hai Robotics EMEA)	Hoofddorp, AMS, Netherlands
ESS Back-end developer	August, 2023 – Now

- ◊ Equipment Scheduling System developer at Software Group
- ◊ New business scenario addition(Personal Terminal Module) development
- ◊ developing, testing, dubugging of Equipment Scheduling System(ESS)

Shenzhen Kubao Software Technology Co., Ltd.(Kubot Software)	Shenzhen, China
Operation Research Algorithm Engineer	March, 2022 –July, 2023

- ◊ Path Planning algorithm engineer in Team Algorithm, Software Department
- ◊ Designed and explored the first exact solver(conflict-based Search)
- ◊ First 3D spatial-temporal path planning algorithm exploring
- ◊ Finely established AGV motion model
- ◊ Acted as deadlock solver embedded to the new version PP algorithm

Pengcheng Laboratory-AI lab(PCL)	Shenzhen, China
Intern Algorithm Engineer	July, 2019 –January, 2020

- ◊ Built the real road mesoscopic traffic flow simulations model
- ◊ Made structural parameters calibration in Python
- ◊ Transportation data collection and processing in Cloud Database
- ◊ Software programming and data visualization by POWER BI

Ping An Insurance (Group) Company of China(PINGAN)	Shenzhen, China
Intern in the post-investment group of the Risk Management Department	May, 2019 –July, 2019

- Used Logistic Regression in Python Language to design Risk prediction model and pick out significant factors
- Risk prediction related data collection from various platform and preprocessing by Web Crawler, MySQL and Python Language
- Software programming(R and Python) and data visualization by Microsoft Excel

Tsinghua University-SIGS(THU&SIGS)

Shenzhen, China

Teaching assistant-Advanced Operations Research(Teacher:Bokui Chen)

February, 2019 –June, 2019

- Assist with classroom instruction and provide support and guidance to students
- Maintain a supportive, safe and clean classroom environment
- Design and implement a classroom system to track student progress
- Work closely with teacher to identify issues students are having and develop appropriate solutions

ASSIGNMENT & ARTICLES

- [1] **Wenpeng Li**, Bingqian Wang, Xinyi Li, Hongda Duan, Shan Hao, “Vehicle Dispatching and Routing Problem of Crowdsourcing Delivery”, Final assignment of Introduction to Transportation Engineering, June, 2019.
- [2] **Wenpeng Li**, Yang Zou, Chenqu Cui, “Research on the Prediction of Credit Card Default by Data Mining Technology”,Final assignment of Applied Statistics, January, 2019.
- [3] Liangtao Li, **Wenpeng Li**, Bingqian Wang, Xinyi Li, Yao Fu, “The interior point method solver programming for nonlinear programming ”, Final assignment of Advanced Operations Research, October, 2018.
- [4] **Wenpeng Li**, ,Zixing Qin, “Shopping environment improvement design for decathlon supermarket”, Undergraduate thesis, 2015.

SKILLS

- Languages: C/C++, Java, Python, Matlab
- Solver: ILD CPLEX, Gurobi, Lingo
- Data Processing: Stata, SPSS, R, Origin
- Software: Matlab, SPSS, R, Adobe Photoshop, Gnuplot, Latex, etc.

SELECTED HONORS & AWARDS

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| ◦ Outstanding student leader (5%) | 2019 |
| ◦ Second Prize of Comprehensive Merit Scholarship(10%) | 2019 |
| ◦ First Prize of Social Practice of Tsinghua University Shenzhen Graduate School(2%) | 2018 |
| ◦ Second Prize of Comprehensive Scholarship (8%) | 2014 |
| ◦ Second Prize of Comprehensive Scholarship (8%) | 2013 |
| ◦ National Inspirational Scholarship (3%) | 2012 |
| ◦ First Prize of Comprehensive Scholarship (5%) | 2011 |