WANG MINGHAO

| CONTACT INFORMATION | Research Assistant
School of Communication, Hong Kong Baptist University
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EDUCATION

M.Sc. in AI & Digital Media (Distinction) — GPA: 3.8/4.0 (top1%)
Hong Kong Baptist University (HKBU) — 2019/09 − 2020/11
Core course: Data Mining, Artificial Intelligence Theory, Visualization

B.Eng. in Automation — Distinguished Graduate
Communication University of China (CUC) — 2015/09 − 2019/06
Core course: Circuit Analysis, Control Theory, Mechanical Design

RESEARCH EXPERIENCE

HKBU FactCheck Service — research assistant
Advised by Prof. Yu Huang & Dr. Céline Yunya Song — 2020/08 - now
- Designing and developing a database of fake news in Cantonese around the Greater Bay Area.
- Scheming a fake news fast check platform to help manual claim selection.
- Taking charge of daily claim selection and published several checking reports.
- Organized several fact-checking tech workshops (teach + arrange)
- Designed a project backend management system using Notion.

Audience Research Lab, HKBU — research assistant
Advised by Dr. Stephanie Jean Tsang — 2021/01 - now
- Analyze political disinformation with Facebook audience insights.
- Publish analysis reports about Facebook post content and audience behavior.

ECDAV & BAS, CUC — group leader
— 2018/05 - 2018/09
- Launched a project "speech evaluation mini-program"; recruited group members; analyzed user application scenarios and raised product demand.
- Realized voice scoring function with API from iFlytek.
- Designed UI with Mockplus and basically finished product prototype.

National Undergraduate Electronic Design Contest (2017, Beijing Area) — group leader
— 2017/04 - 2017/08
- Finished printed circuit board (PCB) including A/D converter, spectrum analyzer, remote amplitude-frequency characteristic testing device.
- Implemented signal generation and device communication using FPGA and SCM.
- Accomplished the competition with a full paper, won the 3rd award.

PUBLICATIONS

- **Minghao Wang**, Keyu Xu, Xiaohui Wang, Paolo Mengoni: How Information Diffuse in a Nomination Network. in proceedings of The 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, IEEE Press, 2021, in press.
- **Minghao Wang**, Paolo Mengoni: How Pandemic Spread in News: Text Analysis Using Topic Model. in proceedings of The 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, IEEE Press, 2021, in press.
- Tsang, S. J., Wu, Y., Zhou, L., & **Wang, M.** (2021). Hong Kong Facebook News Analytics Report: January 2021. BUAR. https://buar.org/reports/2021-01/.

WORK EXPERIENCE

Basic Programming for Data Science, AIDM, HKBU — teaching assistant
— 2020/09 - 2020/12
- Taught 4 lectures about R language basics and applications
- Organized several Q&A workshop to help with student's difficulties systematically.
- Grading homework and tests, help to organize lectures.

AI Group, Video Networking Department, INSPUR Co., Ltd. — algorithm engineer intern

• Data cleaning of car brand labels for car recognition.		2019/11 – 2020/01

gsdata.cn — data analyst intern
2018/07 – 2018/10
• Monitored and collected hot spot news with topic trends
• Labeled sentiment tendency for the hop spot news.

The Department of Photography, Jinan Times, Jinan Daily Newspapering Group — photojournalist intern
2017/08 – 2017/09
• Help with topic selection, interviewing and shooting, story writing and editing.
• Released several photo reports about Jinan Spring Festival and Jinan Art Fair.

SKILLS
Programming Language: Python (pandas, NumPy, MXNet, PyTorch, seaborn, NetworkX), R (igraph, Shiny)
Circuit Design: Multisim, Altium Designer
Others: SQL, Gephi, LaTeX, Tableau, Lightroom, Photoshop, Premiere
Language: English (academic), Cantonese (conversant)

AWARDS

Individual
• Scholastic Award, HKBU	2020
• Merit-Based Scholarship, HKBU	2020
• Merit-Based Scholarship, CUC	several times
• Merit Student, CUC	2018
• Outstanding Reporter of the Year, CUC	2018
• 2nd Award (Documentary Group), "Ying·Shi·Ju" Photography Competition, CUC	2018
• 3rd Award, National Undergraduate Electronic Design Contest	2017
• 1st Award, Mechanical Innovation Design Competition, Technology Innovation Competition, CUC	2017
• 3rd Prize, Photography Competition of Shandong Photographers Association	2017

Group
• Beijing Excellent Class (I was the class monitor)	2017
• Beijing Excellent Class (I was the class monitor)	2016

PROFESSIONAL REFERENCES

Yu Huang, Ph.D.
Dean and Professor of the School of Communication
Hong Kong Baptist University
Tel: (852) 3411 8151
Email: s03033@hkbu.edu.hk
Relationship: research assistant advisor

Céline Yunya Song, Ph.D.
Associate Professor of the School of Communication
Director of AI and Media Research Lab
Co-director of HKBU FactCheck Service
Hong Kong Baptist University
Tel: (852) 3411 8151
Email: yunyasong@hkbu.edu.hk
Relationship: research assistant advisor

Stephanie Jean Tsang, Ph.D.
Assistant Professor of the School of Communication
Director of BU Audience Research Lab
Manager of HKBU FactCheck Service
Hong Kong Baptist University
Relationship: research assistant advisor

Xiangqin Fan
Deputy Editor-in-Chief
Jinan Daily Newspapering Group
Relationship: internship mentor