

# WANG Shuo

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## RESEARCH INTERESTS

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Game Studies · AI & Society · Computational Social Science

## EDUCATION

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<b>National University of Singapore (NUS)</b> <i>M.S. in Department of the Built Environment</i>	<i>Aug 2025 – Present</i>
<b>University of Colorado Boulder</b> <i>M.S. in Artificial Intelligence (Online)</i>	<i>Aug 2025 – Present</i>
<b>Ocean University of China (OUC)</b> <i>B.L. in Politics and Administration   GPA 3.56/4.00</i> • Advisor: Prof. Xue Wang	<i>Sep 2021 – Jul 2025</i>

## PUBLICATIONS

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### *Peer-Reviewed Conference Papers*

**Label Offensive and Defensive in Interest-Based Battlefields: Identity Politics and Public Opinion Polarization in China's ACG Communities**  
*Proceedings of DiGRA 2026 (Accepted)*  
**Shuo Wang**

### *Poster Presentations*

**Spatiotemporal-Aware Precise Optimization of Bus Stop Layout in Aging Urban Districts: A Multi-Objective Model Driven by STGCN**  
*The 4th "Frontiers of OR & AI in Industry" Workshop, Peking University Shenzhen, 2025 (Poster)*  
**Shuo Wang**

### *Working Papers*

**“Dead Game Walking”: Predicting Player Retention in Live Service Games from Community Sentiment Signals**  
*Submitted to FDG 2026*  
**Shuo Wang**

**Who Decides What’s Toxic? How Player Identity Shapes Social Perception of Toxicity in Online Game Communities**  
*Submitted to NLPercep @ ACL 2026*  
**Shuo Wang**

## RESEARCH PROJECTS

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<b>Resilience Governance of Risks in Coastal Megacities under the Holistic National Security Perspective</b>	<i>2023 – 2025</i>
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*National Social Science Fund of China — Key Project (Grant No. 21AZZ014) | Participant*

**Generation, Evolution and Governance Mechanisms of Public Opinion Polarization in Public Emergencies** 2023 – Present

*Shandong Provincial Natural Science Foundation — Youth Project (Grant No. ZR2023QG090) | Participant*

**Agent-Based Modelling of Urban Crime Dynamics** 2025 – Present

*Independent Research Project | w/ Hongyang Zhang, Institute of Criminology, University of Cambridge*

## RESEARCH EXPERIENCE

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**HKUST(Guangzhou) — PGSC Laboratory** Apr – Oct 2025

*Research Assistant*

- Built structured databases of sustainability policies and carbon metrics for 20+ countries using Python and Pandas; developed automated statistical framework reducing data error rate from 32% to 8%

**Ocean University of China — Institute of Public Safety and Risk Governance** 2023 – 2025

*Research Assistant*

- Developed ML-based risk analysis models for public safety scenarios using Python (Scikit-learn, XGBoost); built classification and prediction pipelines for risk assessment and early warning systems

**CUFE — Sustainable Guidelines Research Center** May – Aug 2023

*Research Assistant*

- Integrated 300+ county-level climate simulation datasets using Python and SQL; published 4 literature reviews on climate risk-food security nexus supporting two policy briefs

**Duke Kunshan University — Sustainable Development Laboratory** Aug – Oct 2023

*Research Volunteer*

- Processed 500+ infrared camera images identifying 12 wild animal species with 92% accuracy; mapped wildlife distribution via GIS tools

## TEACHING EXPERIENCE

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**Ocean University of China — Teaching Assistant** Spring 2022

*Logic*

**Ocean University of China — Teaching Assistant** Winter 2024

*Academic English*

## INDUSTRY EXPERIENCE

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**Alibaba — International Commercial Business Unit** Apr – Jun 2025

*Strategy Product Intern*

- Designed behaviour-tagging system using SQL clustering to segment high-value user cohorts; built data-driven retention interventions improving repurchase rates by 12%

**Tencent — Interactive Entertainment Group** Jul – Oct 2024

*Product Planning Intern*

- Managed cross-department compliance project with data-driven resource allocation via dashboards; delivered two days early with DAU exceeding summer target by 16%

**Sina Weibo***Oct 2023 – Jun 2024**ACGN Operation Intern*

- Led behavioural analysis of ACGN communities using data analytics, boosting daily interactions by 18%; coordinated AI commenting robot development, increasing group activity by 22%

**Hero Games — Nebula Business Unit***Jun – Sep 2023**Operation Intern*

- Ensured game privacy policy compliance with legal requirements; flagged potential legal risks

## HONORS & AWARDS

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**Outstanding Graduate***2025**Ocean University of China***“Chuying Excellence” Scholarship (储英卓越奖学金)***2024**Ocean University of China*

## SKILLS

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**Technical:** Python (NLP, ML, Data Analysis) · SQL (Advanced) · GIS & Spatial Analysis · Stata · SPSS**Languages:** Mandarin (native) · English (advanced) · Spanish (intermediate)