

# Xueqi Cheng

| [xueqi.cheng@vanderbilt.edu](mailto:xueqi.cheng@vanderbilt.edu) | [xueqi.github.io](https://xueqi.github.io) |

## SUMMARY OF QUALIFICATION

---

In-depth knowledge and research experience with applications of **data mining**, **machine learning on graphs**, and **social network analysis**. Strong systematic problem-solving ability and communication skills.

## EDUCATION

---

<b>Vanderbilt University</b> <i>Ph.D. in Computer Science</i>	Nashville, TN Aug. 2021 – present
<b>University of Michigan</b> <i>M.S.E. in Civil Engineering (Structures)</i>	Ann Arbor, MI Aug. 2018 – Dec. 2019
<b>Southwest Jiaotong University (SWJTU)</b> <i>B.S. in Civil Engineering (Bridge Engineering)</i>	Chengdu, China Sep. 2014 – Jul. 2018

## RESEARCH EXPERIENCES

---

<b>Network and Data Science (NDS) Lab</b> <i>Ph.D. student, Computer Science Department</i> <ul style="list-style-type: none"><li>Research topics: Machine learning on graphs, Data mining, Learning with imbalanced graph-structured data</li><li>Advisor: Dr. Tyler Derr</li></ul>	May. 2023 – present Vanderbilt University
<b>Baroud Research Group (BRG)</b> <i>Ph.D. student, Civil and Environmental Engineering Department</i> <ul style="list-style-type: none"><li>Research topics: Machine learning, Network modeling, Resilience assessment</li><li>Advisor: Dr. Hiba Baroud</li></ul>	Aug. 2021 – May. 2023 Vanderbilt University
<b>Resilient and Efficient Structures Laboratory (RESLab)</b> <i>M.S. student, Department of Civil and Environmental Engineering</i> <ul style="list-style-type: none"><li>Research topics: Performance-based wind engineering</li><li>Advisor: Dr. Seymour M.J. Spence</li></ul>	Jan. 2019 – Dec. 2019 University of Michigan, Ann Arbor
<b>Southwest Jiaotong University Chengdu Design Institute Co., Ltd.</b> <i>Research Engineer Intern, Team of Bridge Design</i> <ul style="list-style-type: none"><li>Research topics: VR technology, Bridge Conceptual Design</li><li>Advisor: Dr. Wei He</li></ul>	Jul. 2016 – Aug. 2016 Chengdu, China

## SELECTED PUBLICATIONS

---

- **Cheng, Xueqi**, Yan Zhang, Sining Lu, Yinqiao Zhu, and Wei He. "Urban Bridge Conceptual Design Based on Virtual Reality Graphic Engine." In *IABSE Symposium Report*, vol. 108, no. 1, pp. 74-75. International Association for Bridge and Structural Engineering, 2017.

## SYMPOSIUMS AND WORKSHOPS

---

- **Cheng, Xueqi**. Urban Bridge Conceptual Design Based on Virtual Reality Graphic Engine. International Association for Bridge and Structural Engineering (IABSE) Symposium, presentation, 2017.

## SCHOLARSHIPS AND AWARDS

---

- IBM Ph.D. Fellowship from Vanderbilt University 2021 - 2023
- National Encouragement Scholarship 2015, 2016
- Merit Student of SWJTU 2015, 2016
- Best Debater in Freshman Debate Competition held by the School of Civil Engineering, SWJTU 2014

## ACADEMIC SERVICES

---

- **Reviewer** ICWSM 2024

## EXTRACURRICULAR ACTIVITIES

---

- **President**, University Student Entrepreneurship Incubation Association of SWJTU   Jun. 2016 – May. 2017
- **Volunteer Teacher**, Tuoxin Primary School, Anhui, China   Jun. 2015 – Aug. 2015

## TEACHING

---

- **TA** for CE 2200: Statics at Vanderbilt University   Jan. 2023 – May. 2023
- **TA** for CE 3205: Structural Design at Vanderbilt University   Jan. 2022 – May. 2022
- **TA** for CE 3200: Structural Analysis at Vanderbilt University   Aug. 2021 – Dec. 2021