# Qi(Cheems) Wang

PH.D STUDENT

(31) 0628473583 | hhq123go@gmail.com or q.wang3@uva.nl | @AlbertW24045555

## Education

**University of Amsterdam** *Amsterdam, the Netherlands*

PH.D. CANDIDATE AT AMLAB, SUPERVISORS: PROF. MAX WELLING AND DR. HERKE VAN HOOF *Jun. 2019 - Oct. 2022*

Ph.D. Dissertation: Functional Representation Learning for Uncertainty Quantification and Fast Skill Transfer

**University of Amsterdam** *Amsterdam, the Netherlands*

VISITING STUDENT AT CSL, HOST: PROF. PETER SLOOT *Nov. 2018 - Mar. 2019*

Research Topics: Complex Systems and Applications

**College of Information System and Management** *China*

MASTER STUDENT IN MANAGEMENT SCIENCE *Aug. 2015 - Dec. 2017*

Master Dissertation: Learning in the Presence of Label Noise with Importance Reweighted Methods

**Sichuan University** *China*

BACHELOR STUDENT IN FUNDAMENTAL MATHEMATICS *Sep. 2011 - Jun. 2015*

GPA: 3.4, Top 7% in Majors

## Skills

| | |
|---|---|
| **Languages** | Mandarin Chinese (Native), English (Full professional proficiency) |
| **Software and Tools** | MS Office, Latex, Adobe Illustrator, Adobe Photoshop |
| **Program and Packages** | Python, Pytorch, CVXPY, NetworkX |

## Research Interest

**Key Words** *Amsterdam, the Netherlands*

*Jun. 2019 - Now*

- Meta Learning
- Bayesian Deep Learning
- Reinforcement Learning

## Scientific Publications

**Ph.D Research Output** *Amsterdam, the Netherlands*

*Jun. 2019 - Oct. 2022*

- *Q. Wang, Functional Representation Learning for Uncertainty Quantification & Fast Skill Transfer.[Ph.D. Thesis]*
- *Q. Wang & M. Federici & H. van Hoof, "Bridge the Inference Gaps of Neural Processes via Expectation Maximization", Under Review in ICLR2023. [Paper Link, Code Link]*
- *Q. Wang & H. van Hoof, "Learning Expressive Meta-Representations with Mixture of Expert Neural Processes", Published in Thirty-Sixth Annual Conference on Neural Information Processing Systems (NeurIPS'2022, Acceptance Rate: 25.6%). [Paper Link, Code Link,Slides Link]*
- *Q. Wang & H. van Hoof, "Model-based Meta Reinforcement Learning using Graph Structured Surrogate Models and Amortized Policy Search", Published in: Proceedings of the 37th International Conference on Machine Learning (ICML'2022, Acceptance Rate: 21.9%). [Paper Link, Code Link, Slides Link.]*
- *Q. Wang & H. van Hoof, "Doubly Stochastic Variational Inference for Neural Processes with Hierarchical Latent Variables", Published in: Proceedings of the 37th International Conference on Machine Learning (ICML'2020, Acceptance Rate: 21.8%). [Paper Link, Slides Link]*

## Other Services and Activities

PH.D PERIOD AT AMLAB

- Poster presentation in *NeurIPS2022*, New Orleans, US ( Virtual)
- Short oral presentation in *ICML2022 ( Virtual)*, Baltimore, US ( Virtual)
- Work as a Reviewer for conferences, e.g. ICML/NeurIPS, and journals, e.g. IEEE Transactions on NNLS
- Work as a Program Committee member in NeurIPS2021 Workshop ECOLOGICAL THEORY OF RL (https://sites.google.com/view/ecorl2021/)
- Organize AMLab Seminars together with our supervisors
- 15 minutes oral presentation in *ICML2020*, Vienna, Austria ( Virtual)
- Work as a Teaching Assistant for MSc RL Courses

## Awards and Honors

| | |
|---|---|
| **NeurIPS Scholar Award** | New Orleans, US, 2022 |
| **ICML Participation Grants** | Baltimore, US, 2022 |
| **Chinese Government Scholarship** | the Netherlands, 2018 |
| **Second-Class Prize in National Postgraduate Mathematical Modelling Competition** | China, 2017 |
| **Integrated First-Class Scholarship (Yearly Top 2% in Undergraduates of the University)** | SCU,2014 |
| **Second-Class Prize in National Graduate Olympiad in Mathematics: Sichuan, China** | China, 2012 |
| **Third-Class Prize National High School Math League: Anhui, China (Top 0.25% in Province)** | China, 2010 |