MANH HUNG NGUYEN

PERSONAL INFORMATION	**Applying for a PhD position** Email: hungnm.vnu@gmail.com, Tel: +33 764 72 1995 [Homepage] [Google Scholar] [LinkedIn] [Github]

RESEARCH INTERESTS

Automated Machine Learning, Meta-Learning, Reinforcement Learning

EDUCATION

- **Joint MSc. in Big Data Management and Analytics**   *2019 - 2021*
  Université Paris-Saclay, France
  Universitat Politècnica de Catalunya, Spain
  Université Libre de Bruxelles, Belgium

  - **Mention**: "Bien"
  - **Cumulative GPA**: 16.02/20
  - **Thesis title**: *Reinforcement Learning-based Meta-learning from Learning Curves*
  - **Supervisors**: Prof. Isabelle Guyon and Dr. Lisheng Sun-Hosoya
  - **Scholarship**: Full-ride scholarship (49 000 €) from EU - Accept. rate ≈ 3.5%

- **BSc. in Information Technology (Computer Science)**   *2013 - 2017*
  Vietnam National University, Hanoi, Vietnam

  - **Mention**: "High distinction"
  - **Cumulative GPA**: 3.68/4.0
  - **Thesis title**: *A method for generating user interface interaction scenarios in automated testing*
  - **Supervisor**: Assoc. Prof. Pham Ngoc Hung

PUBLICATIONS

- **Manh Hung Nguyen**, Nathan Grinsztajn, Isabelle Guyon and Lisheng Sun-Hosoya. MetaREVEAL: RL-based Meta-learning from Learning Curves. 2021. In Proceedings of the Workshop on Interactive Adaptive Learning co-located with European Conference on Machine Learning (ECML 2021) and Principles and Practice of Knowledge Discovery in Databases (PKDD 2021). [paper]

- Duong Dinh Tran, **Manh Hung Nguyen**, Pham Ngoc Hung. A method of Automated User Interface Testing for Windows-based Applications. 2018. VNU Journal of Science: Computer Science and Communication Engineering. [paper]

WORK EXPERIENCE

- **Researcher at Chalearn, USA**   *Nov. 2021 - Present*
  Preparing and organizing a competition on Meta-learning from learning curves at the IEEE WCCI 2022. The work includes: collecting meta-datasets, designing the competition protocol, developing baseline methods, implementing the competition on Codalab, writing a post-competition paper.
- **Research Intern at Inria, FR**   *Apr. 2021 - Aug. 2021*
  Doing research in Automated Machine Learning: formulating Meta-learning as a REVEAL game, training RL agents for Meta-learning from learning curves.
- **Teaching Assistant at Vietnam National University, VN**   *2017-2019*
  Teaching in applied courses: Advanced Programming, Software Engineering, and Object-Oriented Programming; doing research in Automated Software Testing in collaboration with researchers from the Toshiba Corporation.

PROJECTS	• Training Reinforcement Learning Agents for REVEAL games and Meta-learning	*2021*
	• Sampling-based Initialization for Graph Partitioning	*2020 - 2021*
	• Training a Double Deep Q Network Agent for Playing Super Mario Bros	2020 - 2021
	• Kaggle Competition - COVID19 Global Forecasting	*Mar 2020*
	• Analyse and Predict UK Traffic Accidents	2019 - 2020
	• A method for Generating User Interface Interaction Scenarios in Automated Testing	*2017 - 2018*

AWARDS &	• **Erasmus+ Full-ride Joint Master's Scholarship**, European Union	*2019*
CERTIFICATES	• **Toshiba Scholarship** for Outstanding Student, Toshiba Corporation	*2018*
	• The **2nd Prize** at Scientific Research Conference for Students in Faculty of Information Technology, VNU	*2017*
	• The **3rd Prize** at Scientific Research Conference for Students, VNU	*2017*
	• **Excellent Bachelor's Thesis** Award, VNU	*2017*
	• **Annual Scholarship** for Outstanding Students, VNU	*2013–2017*
	• **Pony Chung Scholarship**, Pony Chung Foundation	*2014*
	• The **3rd Prize** at Provincial Programming Competition for Gifted High School Students, Hung Yen	*2013*

LANGUAGE SKILLS	**IELTS Overall Score (Academic):** 7.0 (obtained on Jan 18, 2018)

TECHNICAL SKILLS	**Programming languages:** Python, Java, C/C++ **Others:** Unix OS, LaTeX, Amazon Web Services

REFERENCES	• **Prof. Isabelle Guyon** Full Professor at Université Paris-Saclay Laboratoire Interdisciplinaire des Sciences du Numérique Bât 660, Claude Shannon, Rue René Thom, 91190 Gif-sur-Yvette, France Email: iguyon@lri.fr Tel: (+33) 169153941
	• **Assoc. Prof. Pham Ngoc Hung** Associate Professor at Vietnam National University, Hanoi 144 Xuan Thuy, Dich Vong Hau, Cau Giay, Hanoi, Vietnam Email: hungpn@vnu.edu.vn Tel: (+84) 24 3 754 9359
	• **Dr. Lisheng Sun-Hosoya** Researcher at Chalearn Bear Valley, California, USA Email: lisheng.sun@credit-agricole-sa.fr