

Shiya Wang

shianiasy.wang@gmail.com <https://github.com/shania3322> (+49) 1522177512
Current residency: Darmstadt, Hesse, Germany

Education

2017–2022 M.Sc., Media Informatics Universität des Saarlandes, Germany
2009–2013 B.Sc., Information Engineering Chengdu University of Technology, China

Experience

09/2021–03/2022 **Internship (Erasmus)** **Institut de Robòtica i Informàtica Industrial, CSIC-UPC, Barcelona, Spain**
Worked independently on unsupervised clustering and node embedding tasks via unsupervised graph-based neural networks under the supervision of Dr. Mariella Dimiccoli

06/2019–09/2019 **Internship** **Andreas Greiner Studio, Berlin, Germany**
Worked with a team on Jungle Memory, an art project involving image synthesis via a Generative Adversarial network

06/2015–03/2016 **Product Manager** **Bolaa Network, Shanghai, China**
- Collaborated with designers and developers to build websites for small businesses
- UX design and presentations

11/2014–06/2015 **Product Assistant** **Morning Whistle Group, Shanghai, China**
Assisted in UX design and competitive product analysis on merger and acquisition web products

06/2013–11/2014 **IT Specialist** **IBM China Global Delivery Center, Chengdu, China**
The maintenance of an internal billing system based on the IBM mainframe system

Projects

Mini ray tracing project (c++)
Rendering spheres with dielectric, diffuse and metal materials with ray tracing

Neural network from scratch (Python, Numpy)
A simple 2-layer neural network written in Python and Numpy for MNIST digits recognition

Interactive installation project (Processing)
Dancing Symbols (Processing, Kinect, Human movement detection)
Self Replicated City (Processing, Conway's algorithm Game of Life)

Theses

Exploring the Impact of Multiple Machine Translation Proposals in Post-editing, Master Thesis, 2022 (Advisor: Dr. Nico Herbig)

Research Interest

I'm interested in Multi-Modal processing and integration, human factor engineering, the application of Neural Networks, machine learning and AI.

Computer Skills

Neural Network (PyTorch, Numpy, etc.), Jupyter Notebook, Python, Conda, Git, Linux, R, C/C++, Latex, Front-end (Angular, JavaScript, TypeScript), Matlab, Processing, Axure

Language

Native Chinese (Mandarin)
Fluent English (C1)