

Yuqing Wang

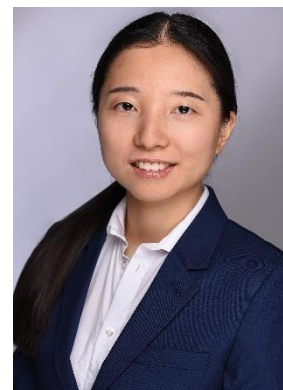
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Place of birth: Jiangsu, China

Date of birth: 11.12.1991



Education

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- 11/2022 – present **The Complete Web Developer in 2023 by Zero to Mastery on Udemy**
- Web Foundations, HTML 5, CSS 3, Bootstrap, CSS grid/layout, JavaScript, DOM manipulation, Git, Github, React.js, Node.js, NPM/NPM Scripts, Databases, Production
- 10/2022 – 11/2022 **Deep Learning Specialization by DeepLearning.AI on Coursera**
- Supervised learning with neural networks: forward-and backward propagation, gradient descent
 - Strategies to improve neural networks performance: regularization, optimization, batch normalization
 - Structuring machine learning projects: iterative process, transfer learning
 - Convolutional Neural Networks (CNN): YOLO algorithm, ResNet, U-Net
 - Sequence Models: Recurrent Neural Networks (RNN), LSTM, word embeddings, transformers
- 09/2022–10/2022 **Machine Learning Specialization by Stanford University & DeepLearning.AI on Coursera**
- Supervised learning: linear regression, logistic regression, neural networks, decision trees
 - Unsupervised learning: clustering, anomaly detection, recommender systems, reinforcement learning
 - Linear algebra, feature scaling and engineering, regularization to avoid overfitting
 - Python, Numpy, Matplotlib, Scikit-learn, Tensorflow, Keras, Gym
- 02/2022–08/2022 **The Power MBA**
- Business model innovation, Testing business ideas & Lean start-up, Business & marketing strategies, Leadership, Entrepreneurship & Fundraising
- 01/2020–03/2020 **Tempo-Team GmbH, YouGrow Academy, Frankfurt a. Main**
Coding-Bootcamp – Professional training as agile and hybrid **Java Full Stack Developer**
- Java programming with Spring Framework
 - HTML, CSS & TypeScript with Angular Framework in Visual Studio Code
 - Final project: Full-Stack-Development of a reviewing website, (high-level concept: Tripadvisor for events)
 - Final exam: 88 %
- 10/2015–12/2017 **University of Bremen**
M. Sc. in Materials Chemistry and Mineralogy
- Crystallography, Materials Sciences, Functional Ceramics, Solid State Synthesis and Characterization, Nanotechnology
 - Master thesis: „Synthesis, Physicochemical, Electrochemical Characterization of Doped Metal Oxides Nanoparticles”
- 09/2010-06/2014 **Teacher’s qualification license (China)**
- Psychology, Education Research, Didactics, Modern Educational Technology, Exercitation
- 09/2010-06/2014 **Soochow University, China**
B. Sc. in Chemistry
- Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Physical Chemistry and Biological Chemistry
 - Bachelor thesis: „Synthesis of Amidate Rare-earth Metal Amides and their Application in Guanylation”

Yuqing Wang
M. Sc. Materials Chemistry and Mineralogy
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Working Experience

10/2021-present **Helmholtz Institute Ulm (HIU)**

Scientific Researcher

Research topic: "Development of Novel Catalysts for Oxygen Reduction Reaction in Alkaline Solution"

- Catalysts synthesis, cell design, electrochemical investigation of catalysts with the cell.

04/2020-11/2020 **Tempo-Team GmbH, YouGrow Academy, Frankfurt a. Main**

IT Consultant

- Professional Scrum Master (PSM I)
- Self-Education: reading, thinking, self-reflection

04/2018-10/2019 **Leibniz Universität Hannover**

Scientific Researcher

Research topic: „Photoelectrochemical Sensors Composed of Inkjet-printed Nanoparticle gels”

- Nanoparticles synthesis with hot injection method
- Development of ink printing technology with lab-synthesized nanomaterials
- Investigation of photoelectrochemical properties of nanomaterials.

01/2018–03/2018 **Leibniz-Institut für Werkstofforientierte Technologien (IWT)**

Student Researcher

Synthesis and Characterization of nanogel

- „Electrochemical Characterisation of Fe doped CuO Nanoparticles”
 - Flame Spray Pyrolysis, Nanoparticles Electrodes Preparation, CV measurements

01/2016–03/2017 **Advanced Ceramics**

Student Researcher

Synthesis and Characterization of advanced ceramic materials

- „Development of Porous Hybrid Materials for CO₂ adsorption”
 - Pyrolysis, BET, SEM, TEM, TGA, water and heptane adsorption
- „Adjustment of Polymer-derived Ceramics for Capillary Transport of Cryogenic Liquid”
 - Freeze Casting, Bead-milling, Compressive strength testing

Other Trainings

04/2019-05/2019 **200 hrs Yoga Teacher Training Certificate (International)**

Language Skills

Chinese:	Native Speaker
English:	Fluent in spoken and written, C2
German:	Advanced knowledge of spoken and written, C1

09.01.2023

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