

LENA XIAOXING XUE

Curriculum Vitae

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INFORMATION

Date of birth March 8th 1996
Citizenship Switzerland
Languages German (native), English (proficient), French (conversational), Mandarin (basic)

EDUCATION

11.2023 – ongoing **PhD in Environmental Engineering**, ETHZ/Eawag, Zürich/Dübendorf
Topic: Decentralized wastewater treatment and reuse in Bangalore and elsewhere

05.2022 – 09.2022 **Exchange semester (thesis)**, Kwame Nkrumah University of Science and Technology, Kumasi (Ghana)

09.2020 – 10.2022 **MSc in Environmental Engineering**, ETHZ, Zürich, Grade: 5.7/6
Major: Urban Water Management, Minor: Water Resources Management
Semester project: ‘Solid data basis on wastewater in mountain huts’
Thesis: ‘Suitability of the Modified Bardenpho process for faecal sludge treatment in Kumasi, Ghana’, awarded ETH medal for outstanding master thesis

08.2018 – 12.2018 **Exchange semester**, Hong Kong University of Science and Technology, Hong Kong

09.2015 – 08.2019 **BSc in Environmental Engineering**, ETHZ, Zürich, Grade: 5.5/6
Thesis: ‘Is there any evidence of climate driven changes in African rainfall?’

08.2008 – 07.2014 **High school (Matura)**, Kantonsschule Limmattal, Urdorf, Grade: 5.8/6
Major: Biology and Chemistry, Thesis: ‘China’s Great Proletarian Cultural Revolution 1966 – 1976’

PRACTICAL EXPERIENCE

10.2022 – 11.2022 **ETH Zürich, Global Health Engineering Group: Research Assistant**
- Worked on further data processing of the results of my master thesis

09.2020 – 04.2022 **Vuna GmbH, Dübendorf: Working Student**
- Made design calculations and sketches for decentralised and circular sanitation systems
- Analysed wastewater and manure samples, producing synthesis reports
- Handled web shop orders, organised events, advised customer on products and technologies

02.2021 – 12.2021 **ETH Zürich, TdLab, Seychelles Planning Authority, Zürich/Victoria: Intern Sustainable Transport**
- Identified bottlenecks, conducted stakeholder interviews, formulated recommendations

06.2020 – 09.2020 **Vuna GmbH and Eawag, Dübendorf: Intern Field Experiments Urine Evaporation**
- Installed and tested the “Blue Diversion Autarky” urine module in alpine cabins
- Ensured and monitored the treatment process functioning

01.2020 – 03.2020 **Basler & Hofmann AG, Esslingen: Intern Contaminated Sites and Environmental Technology**
- Planned geological soundings using GIS, took samples onsite, determined excavation properties
- Optimised pipeline arrangements for a former landfill and agricultural soil improvement

09.2019 – 12.2019 **ETH Zürich, Department of Mathematics: Teaching Assistant Analysis I**
- Lead tutorial sessions for civil engineering students, supervised homework hours