



Zhicong Xie

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EDUCATION

School of Environmental Science and Engineering, Guangzhou University, China Sept. 2016-Jun. 2020

- Bachelor of Science in Environmental Science
- GPA: 82/100
- Thesis: Effects of Cadmium on Plant Secretion Pattern of Low Molecular Weight Organic Acids and Root Micro-organisms (tutor: Enzong Xiao)
 - Participated in the experimental design, plant cultivation, parameter measurement, result characterization, and wrote the thesis

Department of Physical geography and ecosystem science, Lund University, Sweden Sept. 2021-

- Master of physical geography and ecosystem science
- Main courses: Greenhouse gases and biogeochemical cycle, Climate change and its impact on the environment, Ecosystem modelling, Satellite remote sensing, Global ecosystem dynamic, Programming for GIS and Remote sensing
- Ongoing thesis project: Arctic amplification and carbon cycle
 - Choose dynamic vegetation models from CMIP6 (basically 3 experiments: RAD, BGC, Fully coupled), and quantify the Arctic amplification and main contributions, link to carbon cycle/vegetation dynamic

RESEARCH EXPERIENCES

Research Assistant, Institute of Atmospheric Environment, Guangdong Provincial Academy of Environmental Science Jul. 2020-Jan. 2021

- Collected materials and literature, did field researches, as well as processed data
- Participated in various projects such as LDAR, Clean and Low Carbon Transportation, Green Airport, Fine Control of PM2.5 and Ozone Pollution in the Pearl River Delta

Laboratory Inspector, Guangdong SINO-CAN Detection Technology Co., Ltd Jun. 2019-Aug. 2019

- Took charge of heavy metal detection
- Wrote related detection reports

HONORS

- Third-class Scholarship, School of Environmental Science and Engineering May 2020
- Third-class Scholarship, School of Environmental Science and Engineering Sept. 2019
- First Prize, Environmental Comprehensive Skillset Competition Apr. 2019

LANGUAGE & COMPUTER SKILLS

- Computer:
 - OS: Windows, a little bit Linux,
 - Programming: Python, Matlab, MySQL, a little bit C++, html
 - GIS: ArcGISpro, TerrSet
 - Typography: LaTeX
 - Office suites: Microsoft Office
- Language:
 - Native: Chinese/Mandarin
 - Fluent: English (IELTS: 6.5), Cantonese