

LONGXIANG XU

Personal Information

Name: Longxiang Xu

Date of Birth: 2000/02

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Student ID: 20916841

Education

China University of Geosciences Beijing

2018/9-2020/6

Major: Information Management and Information system

GPA 3.5/4, Weighted Average Mark: 87.46%, ranked top 2 in the class.

Awards:

First-class academic scholarship in 2019 Spring, 2019 Fall

Third-class academic scholarship in 2018 Fall, 2020 Spring

Outstanding Micro Documentary Award in 2019

University of Waterloo

2020/9-Now

Major: Geomatics

Awards: Term Distinction in 2020 Fall

Coursework

2021 Spring

GEOG 271 Earth from Space Using Remote Sensing

Conducted Imagery interpretation using PCI Geomatica

Applied Image correction, classification using PCI Geomatica, SNAP, and Python.

GEOG 381 Advanced GIS

Applied Geocoding, Network Analysis, Multicriteria Analysis Using ArcMap

Realized Data visualization using Python

GEOG 387 Spatial Databases

Explored Digitizing features from orthoimage

Created Spatial Databases and applying spatial query using QGIS and PostgreSQL

Applied multicriteria analysis

Created interactive Web maps

Extracurricular Experience

2018 – 2020

Performance Center in art troupe.

Worked as Video Editor, Photographer

2019

Undergraduate training program innovation and entrepreneurship - Smart Bus Station

Prototyping using Axure, Designing Web page using HTML and CSS

2019 – 2020

Undergraduate training program innovation and entrepreneurship – E-government platform

Prototyping using Axure, Designing Web page using HTML and CSS

Skills

Software:

Word, PowerPoint, Excel, Visio, Adobe Premiere Pro, Axure

GIS-related software:

ArcMap, ArcGIS Pro, PCI Geomatic, SNAP, QGIS

Computer science skills:

C++, Data Structure and basic algorithm, SQL, Database design and management