

Xuda Lin

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Objective

To apply the position as Student Assistant.

Education

Purdue University, West Lafayette, IN, U.S.A Aug 2020

•Ph. D of Civil Engineering. Major: Environmental Engineering

Courses: Operating System; Algorithm Designing, Analysis and Implication; Data Management (SQL); Data Structure; Design of Experiment; Elements of Stochastic Process; Computational Watershed Hydrology;

Purdue University, West Lafayette, IN, U.S.A Aug 2016

•M.S. of Civil Engineering. Major: Environmental Engineering

•GPA: 3.83/4.00

Courses: Computing for Science and Engineering; Geographic Information System Application; Physico/Chemical Processes of Environmental Engineering; Environmental Analytical Chemistry; Statistical Methods; Water Chemistry; Environmental Biotechnology; Intermediate Statistical Methodology; Sustainable Design and Manufactory; Recover Value from Solid Waste; Discovering Green Chemistry; Direct Potabilization

Purdue University, West Lafayette, IN, U.S.A May 2014

•Exchange student in Senior year in Ecological and Environmental Engineering, School of Engineering

•Major GPA: 3.3/4.0

Course: Air Pollution Control and Designing; Environmental and Ecological System Modeling; Life Cycle Analysis; Environmental Engineering; Wastewater Treatment Process; EEE Laboratory;

Southeast University, Nanjing, P.R.China Jul 2013

•B.S. in Civil Engineering. Major: Water Supply & Sewerage Engineering

•Major GPA: 3.21/4.80 Ranking: 6/33

Publications

•Xuda Lin, Hierarchical Cluster Analysis of Contamination of Rainfall Runoff on Freeway Pavement [J], Southwest Water and Wastewater, 2013, 04:41-46.

•Xuda Lin, Classification of Drinking Water Characteristic Indexes Based on Principal Component Analysis[J], Science and Technology Innovation Herald, 2012, 21:30-32.

Technical Skills

Operating System: Microsoft Windows, Mac OS, Linux

Programming:

Clion: Proficient in C/C++ coding

Microsoft Office: Proficient in writing report, making Excel table, preparing slide and designing a cover.

Sima Pro: Skilled in Life Cycle Analysis for a specific product or procedure.

Android Studio: Skilled in developing Android application with JAVA.

Stella: Skilled in modeling dynamic and environmental problem.

ArcGIS: Skilled in designing and making map for difference goal

SAS: Skilled in statistics analyzing and linearity modeling

SPSS, MathCAD: Skilled in calculating and data treatment

AutoCAD, CAXA: Skilled in design municipal pipe net

Field Work: tough work, equipment installation and maintenance, soil sampling, custody management

GC-MS: instrument maintenance, sample preparation, data analysis

Experience

Pleasant Run Creek Site Evaluation, Purdue University

Graduate Research Assistant

Dec 2015-Dec 2016

•Field Work:

1. Manual arguing and soil sampling
2. Levellogger initialization, installation and maintenance
3. Seepage meter designing and build-up
4. Water level sensor (Sonar Sensor) initialization, installation and maintenance
5. Remote data collection

•Lab Work:

1. Soil sample preparation
2. GC-MS maintenance and data analysis
3. Water and VOC content analysis

Cellphone Spectrophotometer, Purdue University

Long Term Project

Jan 2015-Now

- Designing the electronic circuit inside the spectrophotometer
- Designing the Android cellphone application to receive and analyze the output signal
- Designing the information transfer to cellphone through Bluetooth
- Testing all the electronic components
- Coding with JAVA