

Contact

kangmin.xie@gmail.com

www.linkedin.com/in/kangmin-xie
(LinkedIn)

Top Skills

Java

Python

MySQL

Languages

Chinese (Native or Bilingual)

English (Full Professional)

Certifications

Programming Foundations: Design
Patterns

Advanced Java Programming

Honors-Awards

Joseph W. Bouknight Teaching
Award

Outstanding Student Scholarship

Soccer Championship

Graduate Fellowship

Publications

Platinum-Ruthenium Bimetallic
Clusters on Graphite: A Comparison
of Vapor Deposition and Electroless
Deposition Methods

Understanding the Growth, Chemical
Activity, and Cluster-Support
Interactions for Pt-Re Bimetallic
Clusters on TiO₂(110)

Structural features and catalytic
performance in CO preferential
oxidation of CuO-CeO₂ supported
on multi-walled carbon nanotubes

Understanding Active Sites in the
Water-gas Shift Reaction for Pt-Re
Catalysts on Titania

Preferential oxidation of CO in a H₂-
rich stream over multi-walled carbon
nanotubes confined Ru catalysts

Kangmin Xie

Technical Business Analyst at Indeed.com | Software Developer
Austin, Texas

Summary

Experienced in full-stack web application development under Java Spring & React Framework, familiar with multiple SQL/NoSQL databases, skilled in big data analytics in Amazon Web Services, with a master degree in Information Technology from Carnegie Mellon University - School of Computer Science.

- Languages: Java*, Python*, JavaScript (TypeScript), SQL, Bash, JSP, C#, C++
- Frameworks: Spring, Spring Boot, J2EE, undertow, React & Redux, Node.js, Django
- Databases & Big Data: MySQL, HBase, MongoDB, Redis, Hadoop, Spark
- Cloud Tools: AWS (EMR, Lambda, ELB, RDS, DynamoDB#), Docker, Kubernetes, Terraform

Experience

Indeed.com

Technical Business Analyst

November 2018 - Present

Austin, Texas Area

As a full-stack software developer, I help people get the right jobs:

- Develop backend RESTful services using Java Spring Framework along with MySQL, Redis databases
- Develop interactive frontend with React & Redux, JavaScript & TypeScript
- Maintain automation tests using Python Selenium web driver
- Build and deploy products in Jenkins pipeline and support internal teams
- DevTools: GitLab, Jira, Datadog, Ant, Gradle, AWS (RDS, S3), Docker

University of South Carolina

Graduate Research and Teaching Assistant

August 2011 - December 2016 (5 years 5 months)

Columbia, South Carolina Area

Education

Carnegie Mellon University

Master of Science - MS, Information Technology · (2017 - 2018)

University of South Carolina

Doctor of Philosophy - PhD, Physical Chemistry · (2011 - 2016)

University of Science and Technology of China

Bachelor of Science - BS, Chemical Physics · (2007 - 2011)