TANG,JINGYIN

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OBJECTIVE | Researcher in cross-disciplinary area of atmosphere science, geography and computer science.

EDUCATION | **UNIVERSITY OF FLORIDA**, UNITED STATES
2012 – PRESENT PHD IN GEOGRAPHY

GPA 4.0/4.0;
Research Interests: Spatial modeling on tropical cyclone precipitations; 3D modeling on Doppler radar data; Spatial analyzing methods on large spatial datasets.

FUDAN UNIVERSITY, CHINA
2009 – 2012 M.S. IN ATMOSPHERE SCIENC

Master thesis: Advanced Consequence Analysis and Risk Assessment Methods of Hazardous Chemical Leaking Accidents.
- CUDA-based parallelized algorithms for fast air dispersion simulation
- Inversion model calculating source information under unstable meteorological conditions

FUDAN UNIVERSITY, CHINA
2005 – 2009 B.S. IN ENVIRONMENTAL SCIENCE AND ENGINEERING

Bachelor Thesis: GIS-integrated Supporting System for Strategic Environmental Assessment of National Economic and Social Development in Pudong District, Shanghai

SKILLS & ABILITIES | Rubric background of mathematics, scientific computation, spatial modeling and model development
Strong programming and application development ability specialized on GIS and database application.
Mastered variant meteorological and earth system models.

PROFESSIONAL EXPERIENCE | **RESEARCH ASSISTANT**
2012 – PRESENT

NSF CAREER Grant BCS1053864. Tropical cyclones modeling using GIS and Doppler radar observations.

RESEARCH ASSISTANT
2011 – 2012

Campus map of Fudan University (http://map.fudan.edu.cn). Project leader. Technical framework design, spatial algorithm extensions for MapServer

TEACHING ASSISTANT
2008 – 2010

Course: Geographical Information System and its applications (2 semesters)
Course: Practice of Geographical Information System (2 semesters)

AWARDS | **GRINTER AWARDS**
2012, GRADUATE SCHOOL, UNIVERSITY OF FLORIDA

ACADEMIC SCHOLARSHIP FOR GRADUATE STUDENTS CLASS 1
2009, FUDAN UNIVERSITY, FOR TOP 2 STUDENTS IN DEPARTMENT