Post-doc
Guangdong University of Technology

Job Title: Post-doc
Department: School of Electro-Mechanical Engineering
Institution: Guangdong University of Technology
Guangzhou, Guangdong, China

Date Posted: Jan. 16, 2017
Application Deadline: Open until filled
Position Start Date: Available immediately

Job Categories: Post-Doc

Academic Field(s): Mechanical Engineering
Electrical and/or Electronics
Education Systems & Design

Apply By Email: xinjun.lai@gdut.edu.cn

Job Description

Post-Doctoral Fellowship Opportunity in Design Analytics with Interactive Customer Input for Smartphone and App Development

The research topic comes from our industrial partners from both smartphone manufacturers and APP developers, which is a collaborative research project offered by Guangdong University of Technology (GDUT, China) and Polytechnique Montréal (Canada). The objective is to use the information from: (1) manufacturing-related data from the design, operation and marketing departments of the company; (2) interactive data from customers such as APP UI and usage responses; (3) external data from Social Media and online markets such as App Stores and online shopping portals (e.g. Amazon, Alibaba) that has been collected using Web-crawlers. The research will mine the dynamic requirements of customers and eventually improve the design of the smartphones and applications. Our industrial partners are (but not limited to) smartphone manufacturers, video game and transportation Apps developers.
The position is financially supported by CIMS lab led by GDUT’s President Dr. Xin Chen, the National Scientific Foundation of China (NSFC), and the LiTrans Lab at Polytechnique Montréal. The contract is 2 years and the basic annual salary is 250,000 RMB (approximately 40,000 USD). At least 50,000 RMB annual extra bonus would be provided for a successful grant from the NSFC or The China Postdoctoral Science Foundation. The postdoctoral researcher would be working with Dr. Li Zhi and Dr. Lai Xinjun of the CIMS lab at GDUT, as well as Asst. Prof. Bilal Farooq of the LiTrans Lab at Polytechnique Montréal. The postdoctoral researcher is expected to spend time in both China and Canada.

Expertise required
Background of mechanical engineering or industrial engineering would be preferred
Machine learning and nature language process
Demand modeling (background on Discrete Choice Analysis is preferred)
Python, JavaScript, Matlab, and R

Start time
January - June 2017.

For more information, or to apply, please contact:
Xinjun Lai (xinjun.lai@gdut.edu.cn), or
Bilal Farooq (bilal.farooq@polymtl.ca)
When applying please send us your latest C.V., complete contact of 3 referees, 1-page research statement, and 1 representative research article (if available). Please send the requested details in form of a single pdf file.

Contact Information
Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact
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