Xuan Luo

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PROFILE

I am a self-motivated, energetic and hardworking undergraduate who has developed leadership and problem-solving skills. I am familiar with C, Python, HTML, CSS, JavaScript, Node.js, Flask, EJS; have some

EDUCATION

University of Southern California, L.A., U.S.   Admitted Fall 2021
  MS in Computer Science

Harbin Institute of Technology, Shenzhen, China   Sep 2016 - Jul 2021
  Bachelor of Engineering, Computer Science and Technology
  GPA : 88.97/100 or 3.73/4.00, Rank 6 among 70 students

Shenzhen Experimental School, *Shenzhen, China*   Sep 2013 - Jul 2016
  High school diploma

PROJECTS & RESEARCH

2020   **Project: Multimodal Personalized Capsule Wardrobe Recommendation**
        (In progress) I am going to adopt Bayesian Personalized Ranking network for the optimization of the user preference modeling and employ multilayer perception to map the item content to the body shape matching space.

2019   **Research: Multimedia Retrieval Method**
        We introduce cosine distance to evaluate the semantic correlation between two specific instances to improve the instance similarity method. Based on the instance similarity, we also propose a novel deep instance hashing network, which utilizes instance similarity and binary similarity simultaneously for multi-label cross-model retrieval.

2019   **Course Project: ShareToDo - A WeChat Mini Program**
        It is a synchronized-sharing and easy-management ToDo List. I come up with the idea, define user requirements, design the UI and database, do testing, and make the demo.

2018   **Course Project: MovieNest - A Website**
        It is a website showing the box office and rating of movies with various types of charts, and user can download the charts. I define user requirements, design the UI, do testing, and make the demo.

2017   **Innovative Project: Magnetic Fluid Gadget**
        I am responsible for circuit design and implementation. Coil, triode and oscillator(555 timer IC) are main components of my effective and efficient circuit. The magnetic fluid dances to the music elegantly.

PUBLICATIONS

2019   Chengkai Huang, **Xuan Luo**, Jiajia Zhang, Qing Liao, Xuan Wang, Zoe.L. Jiang, Shuhan Qi. "Explore instance similarity: An instance correlation based hashing method for multi-label cross-model retrieval" *Information Processing & Management*

HONORS & AWARDS

2019
- First-class scholarship for excellent students, 2018-2019 academic year
- Outstanding Student Award, 2018-2019 academic year

2018
- Meritorious Winner in MCM/ICM, 2018 (MCM: The Mathematical Contest in Modeling, ICM: The Interdisciplinary Contest in Modeling)
- Second-class scholarship for excellent students, 2017-2018 academic year
- Outstanding Student Award, 2017-2018 academic year
- School tennis match Second Prize in Singles

2017
- First-class scholarship for excellent students, 2016-2017 academic year
- Outstanding Student Award, 2016-2017 academic year (Criteria: GPA, competitions, and activities)
- Special Prize for Band C in National English Contest for College Students
- Second prize in oral test in National English Contest for College Students
- First prize in school sports meeting 400 metres and 4 x 100 metres relay

ACTIVITIES

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1	Played the piano in Shenzhen Concert Hall for undergraduate opening ceremony	2016.9
2	Study Tour: University of Cambridge, UK	2017.2
3	Initiated an improvement plan of elevator operation in students' thirty-story dormitories and promoted its implementation	2018.6-9
4	Organized a freshmen interview for the School of Computer Science and Technology	2018.9
5	"Freshman Welcome" volunteer	2017-2019
6	Summer Camp: Tsinghua Shenzhen International Graduate School	2019.7