

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. MS in Computer Science	Admitted Fall 2021
Harbin Institute of Technology , Shenzhen, China Bachelor of Engineering, Computer Science and Technology GPA : 88.97/100 or 3.73/4.00, Rank 6 among 70 students	Sep 2016 - Jul 2021
Shenzhen Experimental School , Shenzhen, China High school diploma	Sep 2013 - Jul 2016

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.
 - Second Prize of Drone Operation in national robotics competition.
- 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 |
| 7 | Interviewed by Shenzhen Economic Daily about Shenzhen Education Development | 2020.7 |

