

Xuan Luo

Email : gracexluo@hotmail.com

Homepage : <https://grace-xuan.github.io/Me/>

PROFILE

I am a self-motivated, energetic and hardworking undergraduate who has developed leadership and problem-solving skills. My interests are Natural Language Processing and Human Computer Interaction. I have some experience in web development, familiar with HTML, CSS, Flask, JavaScript, Node.js, and EJS.

EDUCATION

University of Southern California, L.A., U.S. Admitted

University of California, Santa Barbara, Sta. Barbara, U.S.

New York University, N.Y., U.S.

MS in Computer Science

Harbin Institute of Technology, Shenzhen, China

Sep 2016 - Jun 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

It is a system which generate capsule wardrobe for users given their original wardrobe. User preference, body shape, and clothing compatibility are modeled by Bayesian Personalized Ranking network, multilayer perception, and Bi-LSTM, respectively. I design the generation algorithm and develop the whole system with 3-tier application architecture. | [DEMO](#) | [CODE](#) |

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. | [DEMO](#) |

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. | [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. | [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. | [DEMO](#) |

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

- | | | |
|---|---|-----------|
| 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 |