YUHANG GAN

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EDUCATION

University of California, Santa Cruz   Santa Cruz, USA
Ph.D. in Computer Science and Engineering   09/2021 – now
Advisor: Professor Chen Qian

Nanjing University   Nanjing, China
B.Sc. in Computer Science and Technology   09/2017 – 06/2021
Advisor: Professor Wei Wang

RESEARCH EXPERIENCE

University of California, Santa Cruz (Department of Computer Science and Engineering)   Santa Cruz, USA
Ph.D. student advised by Professor Chen Qian, Associate Professor   09/2021 – now
Topic: Routing Algorithm in Quantum Networks

- In this project I work on solving routing problems in emerging quantum networks. Realistic quantum nodes are implemented in different ways and with different hardware devices, and I hope to design proper routing algorithms to increase the throughput and performance of quantum networks.

Nanjing University (Department of Computer Science and Technology)   Nanjing, China
Research Assistant to Professor Wei Wang, Associate Professor   08/2020 – 06/2021
Topic: Heart rate detection method based on handheld smart devices

- This project is designed to develop a mobile game screening tool that uses sensors (like accelerometers) for mobile phones which will provide user's game performance to assess whether the user stays up late. The game is also designed to measure the users mental state.

Nanjing University (Department of Computer Science and Technology)   Nanjing, China
Research Assistant to Professor Furao Shen, Professor   06/2019 – 09/2020
Topic: RoboCup 3D Soccer Simulation League

- This competition involved the creation of soccer playing robots in a 3D simulation environment.
- I was responsible for designing and creating the 'running and kicking' function of the robot. In this role, I used the CMA-ES Algorithm and the KM algorithm to generate role assignment. In my role I ensured that the walking speed of the robot increased by ~ 12%.
- Awards: 2020 Robot World Cup China Competition, 3D Category, Second Prize; National College Student Innovation and Entrepreneurship Training Program.

University of Göttingen (Institute of Computer Science)   Göttingen, Germany
Visiting Student   07/2019 – 08/2019
International Scientific Research Training in Cross-cultural Social Computing Theory and Applications

- During this exchange I surveyed and analyzed data on the status of urban governance in Germany. The project was interdisciplinary seeing me team up with classmates studying Sociology.
- I successfully processed data and conducted data analysis as well as produced data visualization products.

ADDITIONAL INFORMATION

Award
- The Third-class People's Scholarship (2018 - 2019).

Interests

- Classical Music: having played the clarinet in the school's symphony orchestra.
- Literature: enjoying science fiction and fantasy novels, especially the works of Isaac Asimov and Haruki Murakami.