

# YUHANG GAN

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## EDUCATION

<b>University of California, Santa Cruz</b> Ph.D. in Computer Science and Engineering Advisors: Professors Chen Qian	Santa Cruz, USA 09/2021 – now
<b>Nanjing University</b> B.Sc. in Computer Science and Technology Advisors: Professors Wei Wang	Nanjing, China 09/2017 – 06/2021

## RESEARCH EXPERIENCE

<b>University of California, Santa Cruz (Department of Computer Science and Engineering)</b> Ph.D. student advised by Professor Chen Qian, Associate Professor <b>Topic: Routing Algorithm in Quantum Networks</b> <ul style="list-style-type: none"><li>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.</li></ul>	Santa Cruz, USA 09/2021 – now
<b>Nanjing University (Department of Computer Science and Technology)</b> Research Assistant to Professor Wei Wang, Associate Professor <b>Topic: Heart rate detection method based on handheld smart devices</b> <ul style="list-style-type: none"><li>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.</li></ul>	Nanjing, China 08/2020 – 06/2021
<b>Nanjing University (Department of Computer Science and Technology)</b> Research Assistant to Professor Furao Shen, Professor <b>Topic: RoboCup 3D Soccer Simulation League</b> <ul style="list-style-type: none"><li>This competition involved the creation of soccer playing robots in a 3D simulation environment.</li><li>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%.</li><li>Awards: 2020 Robot World Cup China Competition, 3D Category, Second Prize; National College Student Innovation and Entrepreneurship Training Program.</li></ul>	Nanjing, China 06/2019 – 09/2020
<b>University of Göttingen (Institute of Computer Science)</b> Visiting Student <b>International Scientific Research Training in Cross-cultural Social Computing Theory and Applications</b> <ul style="list-style-type: none"><li>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.</li><li>I successfully processed data and conducted data analysis as well as produced data visualization products.</li></ul>	Göttingen, Germany 07/2019 – 08/2019

## 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.