

# Guofei CHEN

[guofeic@andrew.cmu.edu](mailto:guofeic@andrew.cmu.edu)

Zheda Rd. 38, Xihu District, Hangzhou, 310058, China

## EDUCATION

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**Zhejiang University, Hangzhou, China**

*Sep 2019 - Jul 2023*

**GPA: 3.95/4.0**

Bachelor of Engineering in Automation

Mixed Class - Honors Degree at Chukochen Honors College

Interests: Safe Autonomy, Optimization, Robot Soccer

Major Courses: Analysis, Algebra, Numerical Optimization, Combinatorial Mathematics, Control Theory

## MANUSCRIPTS

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1. Zhichao Chen, Hao Wang, **Guofei Chen**, Le Yao, Zhiqiang Ge, Zhihuan Song. Rethinking the Parameter Learning of the Nonlinear Dynamical Probabilistic Latent Variable Model. *submitted to IEEE Transactions on Automation Science and Engineering (T-ASE)*

## RESEARCH EXPERIENCE

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**RoboCup Small Size League - ZJU Team Member**

June 2020 - July 2022

Advisor: Prof. Rong Xiong

Maintained and improved the algorithm for motion planning and collaborating.

**Research Intern on Soft Sensor based on Bayesian Inference**

Mar 2021 - June 2022

Advisor: Prof. Zhiqiang Ge

Assisted Ph.D. students on the research of statistical methods (Gaussian Mixture Variational Autoencoder) in state estimation tasks for process engineering.

## PROJECTS

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**Vision-Based Transformer Inspection System**

Sept 2020 - Jan 2021

College of Electric Engineering, Zhejiang University

Brief: A course project, which is to develop an electrical transformer inspection system based on deep neural networks.

**TinySQL - An Original Relational Database Management System**

Mar 2022 - Jun 2022

College of Computer Science, Zhejiang University

Brief: A course project, which is to develop a database with SQL parser from scratch.

## HONORS AND AWARDS

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- 2020, 2021 RoboCup (ChinaOpen) Champion of Small Size League
- 2022 Zhejiang Robot Competition, Champion in Robot Soccer (**1 in 36**)
- 2019-2020, 2020-2021, 2021-2022 Excellence Award in Academics, Zhejiang University

## HOBBIES AND TRAVEL EXPERIENCE

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**Hobbies:** Basketball, Skiing, Reading

**Travel Experience:**

United States of America, Jul 2013

Italy-Vatican-Switzerland-France, Jul 2016