

# CHEN CHEN

8125 Paint Branch Drive, College Park, MD, 20742, United States

[cchen24@umd.edu](mailto:cchen24@umd.edu) | (+1) 240 413 0916 | <https://ccdtc.cc>

## EDUCATION

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**University of Maryland, MD, USA** 09/2019 - present

*PhD student in Computer Science*

- Advisor: Furong Huang

**University of Chinese Academy of Sciences & ShanghaiTech University, Shanghai, China** 09/2016 - 06/2019

*Master of Science in Engineering, Communication and Information Systems*

- GPA: 3.8 / 4.0
- Advisor: Qifeng Liao

**HeFei University of Technology, HeFei, China** 09/2012 - 06/2016

*Bachelor of Science, Mathematics and Applied Mathematics*

- Rank 1/79 in Postgraduate Recommendation Assessment

## PUBLICATIONS

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1. **Chen Chen, Qifeng Liao.** ANOVA Gaussian process modeling for high-dimensional stochastic computational models. *Journal of Computational Physics*, 2020.

## RESEARCH EXPERIENCE

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**Research Assistant, University of Maryland** 06/2020 - Present

*Advisor: Furong Huang*

We study certified defenses for neural networks based on [randomized smoothing](#).

**Research Assistant, ShanghaiTech University** 09/2016 - 06/2019

*Advisor: Qifeng Liao*

ANOVA Gaussian process modeling for high-dimensional stochastic computational models Proposed a novel algorithm to integrate ANOVA decomposition and Gaussian process emulation to tackle with high-dimensional parametric PDEs (also applicable to other computational models). Our paper got accepted by JCP, one of the top journals in the computational mathematics field.

## PROJECTS

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**Randomized Singular Value Decomposition: A Study** 09/2019 - 11/2019

- Studied randomized Singular Value Decomposition and its two variants on several benchmark matrices.

**Cross-view Geo-localization** 09/2019 - 11/2019

- Examined recent studies in deep-learning-based approaches for cross-view matching on our own synthesized dataset with different settings.

## AWARDS

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- **Merit Student Award**, University of Chinese Academy of Sciences (2018)
- **Outstanding Graduate of Anhui Province** (Top 3%, 2016)
- **Outstanding Graduate of Hefei University of Technology** (Top 10%, 2016)
- **Undergraduate National Scholarship**, HeFei University of Technology (Top 1%, 2012-2014)
- **Merit Student Award**, HeFei University of Technology (2012-2014)