

## EDUCATIONS

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- **University of Minnesota** Minneapolis, US  
*Master of Science in Computer Science* Sept 2019 - Present
- **Fudan University** Shanghai, China  
*B.S of Theoretical and Applied Mechanics, Top 20% ; Minor in Data Science* Sept 2014 - Jul 2019

## PUBLICATIONS

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- **Mobile Volumetric Video Streaming Enhanced by Super Resolution** MobiSys 2020 Poster  
*Anlan Zhang, Chendong Wang, Xing Liu, Bo Han, Feng Qian.*
- **Firefly: Untethered Multi-user VR for Commodity Mobile Devices** USENIX ATC 2020  
*Xing Liu, Christina Vlachou, Feng Qian, Chendong Wang, and Kyu-Han Kim.*
- **Efficient Volumetric Video Streaming Through Super Resolution** In submission Hotmobile21  
*Anlan Zhang, Chendong Wang, Bo Han, Feng Qian.*

## RESEARCH EXPERIENCE

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- **Efficient Volumetric Video Streaming Through Super Resolution** Minneapolis, US  
*University of Minnesota - Advisor: Professor Feng Qian* 09/2019 - Present
  - Co-Developed a point cloud video streaming system, that leverages super-resolution method to reduce the bandwidth while maintaining visual quality
  - Adopted numerous optimization methods to ensure the streaming frame rate at 30 fps
- **Untethered Multi-user VR for commodity Mobile Devices** Minneapolis, US  
*University of Minnesota - Advisor: Professor Feng Qian* 12/2019 - 02/2020
  - Co-Developed and conducted the VR experiments on Android platform
  - Co-Designed the metrics and compared the results with baselines
- **Application of Reinforcement Learning in Congestion Control** Shanghai  
*Fudan University - Advisor: Professor Yuedong Xu* 06/2018 - 05/2019
  - Reproduced the result of Remy, a learning-based congestion control algorithm, as the baseline
  - Worked on designing a DRL method to produce better congestion control results
- **Developing a Traffic Flow Prediction Method Based on LSTM** Shanghai  
*Fudan University (Undergraduate Thesis) - Advisor: Professor Mingmin Guo* 03/2019 - 05/2019
  - Modeled the basic traffic flow problem and collected dataset with video and simulation
  - Developed an LSTM model that can help the decision of Automated Vehicle based on surrounding traffic flow
- **Developing a Data Visualization Program Based on VR Platform** Columbus, US  
*Ohio State University - Advisor: Professor Chen Jian* 07/2018 - 10/2018
  - Implemented a visualization system for scientific data in VR environment to support quantum physics research
  - Developed several algorithms to improve the visual effect of the data with high density

## INTERNSHIPS

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- **Hewlett-Packard Company (HP)** Shanghai  
*R&D Intern* 10/2018 - 05/2019
  - Implemented a framework that transfer the text to voice data by adopting WaveRNN
  - Researched on an NLP algorithms with capability of deduction
- **DataSense Corporation** Shanghai  
*Intern Programmer* 06/2017 - 08/2017
  - Co-Developed the UI and backend of a ML-based solution provider platform
  - Applied several machine learning demos to the platform

## HONORS & AWARDS

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- **Third prize, China Undergraduate Mathematical Contest in Modeling** 2017
- **Third prize, Elite Experiment Scholarship** 2017, 2018

## TECHNICAL SKILLS

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- **Programming** Python, C, C++, Matlab
- **Math Skills** Probability & Statistics, Pattern Recognition & Machine Learning, Measure Theory, Discrete Mathematics