Yuke Wang is a third-year Ph.D. student in computer science at the University of California, Santa Barbara. His research interests include high-performance computing and deep learning algorithms. Specifically, his recent ongoing projects cover graph neural network (GNN) optimization and its acceleration on heterogeneous platforms, such as processing units. His major interest is the irregular nature of the graph-related problem that significantly impedes the modern massively parallel GPU hardware from achieving satisfying performance. Therefore, he is particularly focusing on bridging such a gap between the upper-level application and underlying hardware will have a profound impact on the end-user experience.

He is also actively involved in professional activities, including serving as a student committee member for one of the top-tier conferences in computer science, the AAAI Conference on Artificial Intelligence. In addition, he published a deep-learning paper at the IEEE International Parallel and Distributed Processing Symposium. Moreover, he is seeking industry experience. He joined Alibaba Group US as a student research intern in the summer of 2020 and he will be joining NVIDIA as a high-performance computing engineer intern in the summer of 2021.