

YUHENG WU

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291 Daehak-ro, Yuseong-gu, Daejeon, South Korea

EDUCATION

Korea Advanced Institute of Science & Technology

September 2023 - July 2025(expected)

Master in Computer Science, School of Computing

Overall GPA: 4.0/4.3

Shanghai University

September 2019 - July 2023

B.Eng in Cyberspace Security, School of Computer Science & Engineering

Overall GPA: 3.83/4.0, Rank: 1/27, with top honor

RESEARCH EXPERIENCE

THESBOT

Feb 2020 - August 2020

Intern at Research Institute of USV Engineering, Shanghai University

Advisor: Yang Yang

- We collaborated in the development of Hibot THESBOT-Dual: a semiautonomous pneumatic robot for pipe inspection
- Contributed to the optimization of the robot's structural design, ensuring enhanced functionality and efficiency. Extensively involved in material testing to ascertain the most suitable components for robust performance.

RL-Enhanced Video Stream Offloading for Multi-Objective Optimization

June 2022 - May 2023

Intern at Shanghai University INSS Group

Advisor: Chenhong Cao

- Inspired by Pensieve and Joint configuration Adaptation. We design a live video stream ingest framework which adaptively allocates the network resource and optimizes performance across diverse edge computing applications in highly dynamic and fluctuating network environment, such as urban surveillance and live video delivery to viewers.
- Conducted implementation and testing in a simulated dynamic network environment, considering limitations in different edge devices' upstream bandwidth and computational capacity.

HONORS

Academic Excellence Scholarship

2019-2020, 2020-2021

- Exceptional award for academic throughout the year(top3%)

TECHNICAL STRENGTHS

Programming

Python, C++(std11/14), Golang, Matlab

Languages

Chinese(native), English(fluent), Korean(beginner), Japanese(intermediate)

Mathematics

Calculus, Matrix Analysis, Probabilistic Theory, Information Theory, Discrete Mathematics