SHIH-YING HUNG

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EDUCATIONS

- **National Tsing Hua University (NTHU)**, Hsinchu, Taiwan   2022-Present
  M.S. in Computer Science (CS)
- **National Taiwan Ocean University (NTOU)**, Keelung, Taiwan   2018-2022
  B.S. in Computer Science (CS)

PUBLICATIONS

EXPERIENCE AND PROJECTS

- **Networking and Multimedia Systems Lab, NTHU (Research Assistant)**   September 2022 - Present
  My research direction is mainly on UAV cooperative management technology and recently focuses on task assignments. In my previous work, I assisted in the establishment of a high-level firefighting system for drones, allowing users to assign tasks to different drones in time through the GUI, and automatically generate path trajectories and send them to the drones. The drone will also send back image information related to the fire scene for data analysis.
- **Undergraduate senior project in NTOU**   February 2021 - October 2021
  The topic of my senior topic is MR indoor navigation. We use Wifi indoor positioning technology to judge the user's position in the building in a timely manner, an A* algorithm to dynamically adjust the best cross-floor planning path for the user, and use ARcore SDK to provide a significant guide icon for users.