

SHAO-KANG HSIA

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EDUCATION

M.S. in Electrical Engineering, National Taiwan University, Taiwan 2020.09 - 2022.06

- GPA: 4.1/4.3
- Courses: Computer Vision, Digital Control, Matrix Algebra, and Nonlinear System Analysis

B.S. in Power Mechanical Engineering, National Tsing Hua University, Taiwan 2016.09 - 2020.06

- GPA: 4.0/4.3
- Courses: Machine Design, Dynamics, Electronics, Control, Linear System Theory, Data Structure, Evolutionary Algorithm, Deep Learning, and Probability

SKILLS

- **Programming:** C/C++, C#, Python, Verilog, HTML
- **Software:** MATLAB/Simulink, Ubuntu, Robot Operating System (ROS), AutoCAD, Inventor
- **Development board:** STM32, Raspberry Pi, Arduino, LabView
- **Machine learning:** TensorFlow, PyTorch
- **Fabrication:** Mill, Lathe, NC programming, 3D printing
- **Others:** Git, Latex

PUBLICATIONS

- **Hsia, Shao-Kang, Yi-Hang Chuang, and Cheng-Wei Chen. "Auto-Tuned Motion Scaling in Teleoperation Based on Human Reaction Model Identification."** IEEE Robotics and Automation Letters 7.1 (2021): 318-325.

EXPERIENCE

RESEARCH PROJECTS

OUTSTANDING PERFORMANCES
