

# JUHA HOVI, M.Sc. (Tech.)

116-0014 Tokyo-to, Arakawa-ku, Higashinipponi 1-9-14

☎ 080-9572-5285 | ✉ juha.hovi@gmail.com | 🌐 juha-hovi.github.io | in juha-hovi | Finnish

## Summary

**Master of Technology graduate with demonstrated experience in robotics, programming, and artificial intelligence. Believes in continuous learning and improving, excellent communication and inter-personal skills.**

## Education

### Doctoral Student

THE GRADUATE UNIVERSITY FOR ADVANCED STUDIES, SOKENDAI

- Informatics, AI, Machine Learning

Tokyo, Japan

Oct. 2019 - Current

### Master of Science (Technology)

AALTO UNIVERSITY

- **Major:** Control, Robotics and Autonomous Systems

Espoo, Finland

Jun. 2019

### Bachelor of Science (Technology)

AALTO UNIVERSITY

- **Major:** Automation and Systems Technology
- **Minor:** Computer Science / Software Engineering

Espoo, Finland

Aug. 2016

## Experience

### National Institute of Informatics

TECHNICAL SPECIALIST / RESEARCH ASSISTANT

- Research on ontology based systems for autonomous vehicles

Tokyo, Japan

Jul. 2019 - Current

### National Institute of Informatics

RESEARCH INTERN

- Research on AI and machine learning for advanced driving assistance systems

Tokyo, Japan

Nov. 2018 - May 2019

## Skills

### Languages:

Finnish - Native

English - Fluent

Japanese - Basic

Swedish - Basic

### Programming:

Python

C

CUDA

PLC-Languages

C++

MATLAB

Parallel Programming

Declarative Programming (ASP, constraint, etc.)

### OS:

Windows

Linux

## Projects / Publications

### Master's Thesis (JIST2019: The 9th Joint International Semantic Technology Conference)

DATA-DRIVEN GENERATION OF RULES FOR ONTOLOGY-BASED DECISION MAKING SYSTEMS IN AUTONOMOUS VEHICLES

- Autonomous driving / Advanced Driving Assistance Systems (ADAS)
- Extraction of vehicle behavioral patterns from simulated data

### Remote User Motion Mapping for InMoov Open-Source Robot

- Prototyping: Robotic telepresence through machine vision and physical systems

### Autonomous Mapping of Dynamic Environments

- Autonomous Robotics: Mapping indoor areas with KUKA youBot

### Bachelor's Thesis

RGB-D BASED SEGMENTATION METHODS

- Machine vision: Usage of depth data to complement color data in image segmentation