

Robotics Systems Intern [IDA: 2025-00025]

หน้าที่ความรับผิดชอบในงานของคุณ

What you'll be doing:

- Install software components on mobile robots.
- Test functionality of the whole robot system, both on real robots and in simulation.
- Develop tools for test automation and benchmarking.
- Assist in creating new software releases for different modules, like navigation, perception, etc.
- Integrate software releases and ensure stability of whole system release.
- Investigate issues with robot software and hardware.
- Document feature completeness of robot and align with customer requirements.
- Remotely coordinate tests with other locations and deployment sites overseas.

What you will be learning:

- System architecture of a complete robot that is ready for production.
- How different sensors like 2D/3D Lasers, RGB cameras, Depth cameras, IMUs etc. work.
- How different software components on a robot interact.
- ROS2, Docker
- DevOps and CI/CD for production-grade systems, using Jenkins, Github Actions, AWS

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- Some programming knowledge, preferably in Python, C/C++, Bash or Javascript/Typescript
- Some experience with Git version control
- Knowledge on Linux based operating systems (is of advantage)
- Some experience with software testing and automation (is of advantage)
- Some understanding of robotics algorithms (e.g. SLAM, Computer Vision) (is of advantage)
- Enthusiasm to work on unknown problems and find solutions
- Willingness to learn new tools and technologies
- Good communication skills

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