

## Solving the most **Challenging Problems** in **Factory Automation**



auto parts picking



logistics parts picking



smart teaching

### ● Opportunities

Work with the **smartest people in robotics** around the world.

**Learn everything** in robotics and beyond.

Use **cutting edge development tools**.

Bridge **academia and industry**.

### ● Make **advanced technologies work 24x7**



#### Plan

Occlusion Avoidance  
Motion Searching Error Recovery  
Grasping Dynamics Filtering  
Order Optimization  
Inverse Kinematics  
Collision Avoidance  
Execute Monitoring

#### Sense

Occlusion Checking  
Noise Filtering Sensor Streaming  
Template Tracking  
Hand-eye Calibration  
Accurate Pose Aligning  
3D Data Processing  
Feature Matching

#### Act

Robot Real-time Streaming  
Error Recovery  
Feedback Loop Processing  
PLC I/O Integration  
Safety-prioritized Architecture  
Self-collision Checking  
Low-pass Intelligent Filtering

## ● Spotlight: From intern to core developer



**Denys Kanunikov** (Robot control engineer)

I joined MUJIN in 2015 after a one-year internship in 2014. I work on developing robot motion planning algorithms.

**Alma mater:** École normale supérieure (France)  
Master of Computer Science

**Award:** ACM-ICPC Southeastern European Silver Medal

It was my first time in Japan. I was confused by the office environment at first, but I was excited because I had so many things to learn at MUJIN.

A year after I completed my first internship, I returned to Japan to pursue a long-term internship. I was fascinated by MUJIN's advanced technology, grand visions and social significance. MUJIN presents a very attractive environment where I can make Japanese industries more efficient while also growing as an engineer.

I joined the company as a full-time employee in the second half of 2015 and now work on multiple projects at the same time. MUJIN is very flexible in terms of making necessary and reasonable changes to traditional methods. I also find it easy to concentrate within the office environment.

I deeply enjoy my work at MUJIN. I face new challenges and build experience everyday.



## ● Come join us



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