RETENUA
Intelligent Sensor Systems

Retenua **NextGen Perception and Robotics** Talent Program **2026/27**

DO YOUR MASTER'S THESIS AT THE FOREFRONT OF ROBOTICS & PERCEPTION

Open to Students from All Swedish Universities

Start Before Your Thesis.
Get Paid And Work
On Real Technology.

APPLY FOR NEXTGEN PERCEPTION & ROBOTICS **2026/2027**

APPLICATION **DEADLINE 15 OCT 2026**

The Program in Short

Autumn 2026

PAID PART-TIME WORK

6-8 hours per week alongside your Master's studies

Spring 2027

THESIS PROJECT

Full-time thesis project at Retenua

Summer 2027

CAREER LAUNCH

Start your career one step ahead

Location: Hybrid, with on-site work at Retenua in Örebro, Sweden

The Program

Retenua NextGen is a selective talent program for up to three ambitious Master's students who want to gain hands-on experience with advanced robotics and perception before graduating.

The program starts with paid part-time technical work alongside your studies during the autumn and continues into a full-time Master's thesis at Retenua during the spring.

You will work on real engineering and research challenges in perception, machine learning and mobile robotics, alongside experienced engineers and researchers. Retenua combines close ties to academic research with a strong focus on developing and deploying technology for real industrial applications.

Retenua's NextGen program offers ambitious and passionate students an excellent opportunity to work at the intersection of academic research and real-world tech development.

What You'll Work With

You will work with technology that goes beyond simulations and textbook examples – developing and testing perception systems for real platforms and challenging applications.

Obstacle Detection | Computer Vision | Localization | Mobile Robotics

Sensor Fusion | SLAM | Terrain Understanding | Machine Learning | Simulation

Why Join Retenua NextGen?

Work On Real Technology

Gain hands-on experience with advanced sensors, robots, datasets and perception systems deployed in demanding real-world environments.

Build A Strong CV

Graduate with substantial hands-on industry experience, a technically challenging thesis and a project you can discuss with future employers.

Develop Your Network

Work with engineers and researchers in a technology development environment and build connections that can benefit your future career.

Learn From Experienced Engineers and Researchers

Work with people with a proven research track record and experience developing perception and robotics technology for real-world applications.

Turn a Real Problem Into Your Thesis

Work on a challenging problem with industrial relevance while maintaining the academic depth required for a Master's thesis.

Prepare for Your Successful Career Start

The NextGen experience will give you a strong foundation for starting your career at Retenua or elsewhere in the robotics and technology industry.

The NextGen 2026/27 Journey

Autumn 2026

PAID PART-TIME WORK

6-8 hours per week alongside your studies

Join Retenua's development team and work on a project.
Combine hands-on engineering with relevant research.
Work with Retenua's engineers and build a foundation.

Spring 2027

THESIS PROJECT

Full-time thesis project at Retenua

Address a real technical challenge in robotics/perception.
Combine academic depth and practical implementation.
Supervision by Retenua and your university.

15 September
Application period for NextGen begins

15 October
Application deadline and start of candidate selection

1 November
Start of **Autumn Phase** with paid project work

January 2027
Start of **Spring Phase** with Master's thesis project work

Summer 2027
Completion of Master's Thesis and launch of your exciting career

Who Are We Looking For?

To qualify for the program, you should meet the following criteria:

- You are enrolled in a Master's or equivalent engineering program at a Swedish university and currently residing in Sweden.
- You are in the final year of your studies in Robotics, Computer Science, Machine Learning, Mechatronics, Electrical Engineering, or a related field.
- You have strong academic results and solid technical fundamentals.
- You have a genuine interest in robotics, sensors, and perception.
- You have explored technical projects beyond mandatory coursework.
- You are skilled with, or motivated to develop skills in, C++ and Python.

Are you one of our next top talents?

Apply to NextGen now and start your career path at the forefront of perception and mobile robotics.

About Retenua

We are a fast-paced, hands-on technology team where advanced R&D turns quickly into real-world **perception and mobile robotics** solutions.

At Retenua, we work with technologies spanning LiDAR, RADAR, computer vision, machine learning, sensor fusion and autonomous systems for demanding real-world applications. Our team combines industrial engineering with a strong academic background, including active involvement in university research and collaborative R&D projects with industry and academia.

Based in
Örebro · Sweden

Founded in
2015

Core Focus
Perception · Mobile Robotics