

MARCO CASAGRANDE

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EXPERIENCE

MAY 2018 – ONGOING

ALGORITHM DEVELOPER, PROJECT ENGINEER, WORKING STUDENT

IBEO AUTOMOTIVE SYSTEMS GMBH, GERMANY

Automotive perception algorithms development.

Implemented relative localization system in AirPort Mover Project. [1]

AUGUST 2016 – JANUARY 2017

ENGINEERING INTERN – ROBERT BOSCH GMBH, GERMANY

Inertial MEMS characterization and validation.

MAY 2011 – MAY 2014

JR. FULL-STACK DEVELOPER – FB SERVICES SRL, ITALY

Web applications development for infotainment systems.

EDUCATION

OCTOBER 2019 – AUGUST 2021

M. SC. ICT INNOVATION, KTH STOCKHOLM, TU BERLIN

Degree project: “Relative pose estimation of a plane on an airfield with automotive-class solid-state LiDAR sensors” [2], GPA: 1.0

SEPTEMBER 2014 – APRIL 2018

B. SC. INFORMATION ENGINEERING, HAW HAMBURG

Degree project “Robust setup of an Autonomous Mobile Robot research platform with multi-sensor integration in ROS” [3], GPA: 0.9, HAW Best Graduate Award 2018

SKILLS

- Automotive perception algorithms
- LiDAR sensor data processing
- Agile development with SCRUM
- Proficient: C++ 14, ROS
- Familiar: C, Python, Java, PHP, SQL
- German B2, English C1, Italian

REFERENCES

[1] Ibeo Automotive Systems GmbH, [Online]. Available: <https://youtu.be/foe8J7ZyMTM>.

[2] [Online]. Available: <http://www.diva-portal.org/smash/record.jsf?pid=diva2:1620617>.

[3] [Online]. Available: <https://autosys.informatik.haw-hamburg.de/publication/2018casagrande>.