

CHADI SALMI

AUTONOMOUS DRIVING RESEARCH SCIENTIST 📞 0610645838

◦ DETAILS ◦

0610645838
salmi.chadi@gmail.com

◦ LINKS ◦

[Personal Blog](#)

[Github](#)

◦ SKILLS ◦

Git

Linux Skills

Python

C++

Pytorch

JavaScript

Tensorflow

ROS (robot operating system)

◦ HOBBIES ◦

Tinkering with linux distro's,
Soccer, Cycling, Drawing

👤 PROFILE

Passionate MSc graduate in the field of autonomous driving / cognitive robotics with extensive extracurricular experience in global student engineering competitions.

🎓 EDUCATION

◦ MSc Cognitive Robotics, Technical University Delft, Delft

September 2017 — March 2021

Relevant courses: Robot Motion Planning, Deep Learning, Machine Learning, Robotics Practicals, 3D robot vision, Artificial Intelligence Techniques, Vehicles Dynamics, Object oriented programming in C++, Intelligent Vehicles, Computer Vision, Control system design

◦ Minor Electrical Engineering, Technical University Delft, Delft

September 2016 — March 2017

Topic: Electrical engineering for autonomous exploration robots

Implementation of an autonomous track following robot, using a hardware description language (VHDL) on an FPGA microprocessor. Design of a power circuit that charges the battery of the robot using a solar panel.

◦ BSc Mechanical Engineering, Technical University Delft, Delft

September 2014 — September 2017

Completed a collaborative graduation project about active control of magnetorheological fluid Journal bearings, to achieve a constant friction model.

📁 EXPERIENCE

◦ Cognitive Robotics Lab Assistant at Technical University Delft, Delft

April 2021 — Present

Worked on a complex mobile robot platform, including LiDAR and five camera setup providing 360° coverage. My work consisted of helping with the development and implementation of things like: A robust MPC-based motion planning algorithm, Localization and map building, and a Pedestrian Detection and Tracking Algorithm.

◦ Chief Mechatronics at Formula Student Team Delft Driverless, Delft

June 2018 — August 2019

Led the efforts to convert the award-winning 2018 Formula Student Delft electric racecar to driverless. This includes tasks like: Incorporating multiple Cameras, a Lidar, an Embedded compute unit, Steering actuation, Emergency braking, and a Battery re-design.

◦ Motion planning engineer at Formula Student Team Delft Driverless, Delft

June 2018 — August 2019

Research and implementation of state-of-the-art motion planning algorithm to control a driverless racecar. Test algorithms within a gazebo simulator with ROS. Implement algorithms on an embedded compute unit to control a full-size formula student driverless racecar.

◦ Part-Time Full Stack Developer at It-Interface, Rotterdam


February 2016 — Present

Worked on a restaurant POS web application, using the Angular front-end framework. Specifically worked on features like: A realtime dashboard of the restaurant floor, individual customer ordering through smartphone or inhouse tablet, and a checkout system.

COURSES

-  **Deep Learning (Result: 8.7), Technical University Delft**
December 2017 — August 2018
-  **3D Robot vision (Result: 9.0), Technical University Delft**
December 2017 — August 2018

REFERENCES

-  References available upon request