

CHADI SALMI

AUTONOMOUS DRIVING RESEARCH SCIENTIST ☎ 0610645838

◦ DETAILS ◦

0610645838
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◦ LINKS ◦

[Personal Blog](#)
[Github](#)

◦ SKILLS ◦

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



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



REFERENCES

- References available upon request