

# Constantin Stamatiadis

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[cstamatiadis.github.io](https://cstamatiadis.github.io) | Swiss Citizen | Resident in Germany

## EDUCATION

### **MSc. Robotics, Systems & Control**

Zurich, Switzerland | Jun 2020

ETH ZURICH

**Selected Coursework:** Advanced Machine Learning, Machine Perception, Vision Algorithms for Mobile Robots, Model Predictive Control, Dynamic Programming

### **BSc. Electrical Engineering**

Torino, Italy | Jul 2017

POLITECNICO DI TORINO

**Teacher Assistant (TA):** Intro to Programming

**Selected Coursework:** Automatic Control Systems, Digital Electronics, Applied Electronics, Signal Processing, Advance Programming

### **Exchange Year Electrical Engineering**

Shanghai, China | Jul 2016

TONGJI UNIVERSITY

## WORK EXPERIENCE

### **BOSCH | SENIOR SOFTWARE ENGINEER**

Stuttgart, Germany | Oct 2022 - Present

Working on Deep Learning based Sensor Fusion technology for SAE L4 Autonomous Driving. Investigating Early Fusion Object Detectors and Transformer based tracking methods.

Member of the Bosch **Talent Pool**: participating in leadership & management seminars. Taking on further responsibilities for potential leadership roles.

**Focus:** Autonomous Systems & Leadership

**Main tools:** Python, C++, Tensorflow

### **BOSCH | JUNIOR MANAGERS PROGRAM**

Stuttgart, Germany & Sunnyvale, USA | Oct 2020 – September 2022

Fast track management trainee program 2-year multi-assignment for high potential graduates. Part of the Research & Development Track in Automated Driving. During my rotations I acted in various different roles, ranging from Software Engineering to Technology Management and Technical Management support on Director Level:

- Development of Robotics simulation tools for pre-development of a multi-camera robot system.
- Market and State of the Art analysis in Industrial mobile robotics for Technology Road Map.
- Graph Neural Networks based traffic agent intent prediction.
- Support Department Head and Senior Management on partnership Setup with Cariad.
- Data Scientist for Ultrasonic Object Detection project.

Additionally took part in tailored Leadership & Management seminars.

**Focus:** Autonomous Systems & Leadership

**Main tools:** Python, C++, Tensorflow, PyTorch, Bash, ROS, Design Thinking

### **ABB AG | MASTER THESIS STUDENT**

Baden, Switzerland | Oct 2019 - Mar 2020

Deep Learning based adaptive Model Predictive Control

**Main tools:** PyTorch, Python, Bash

### **VOLKSWAGEN AG | AUTONOMOUS DRIVING INTERN**

Wolfsburg, Germany | Mar 2019 – Aug 2019

Work on novel approaches to fuse Computer Vision and Control, through new bounding box regressors as well as application-aware losses.

**Main tools:** Tensorflow, Python, Bash, Carla (Simulation Environment)

### **ISTITUTO SUPERIORE MARIO BOELLA | STUDENT INTERN**

Torino, Italy | Mar 2017 – Jun 2017

Implementation of a scalable UWB-based localization system.

Supported the Operations Manager and the Recruitment Director in their daily task.

## SKILLS

**Programming Languages:** C, C++, Python, Bash

**APIs:** PyTorch, Tensorflow, ROS 1 & 2, OpenCV

**Technology:** Git, Azure, Docker,  $\text{\LaTeX}$

**Languages:** Italian (Mother tongue), German (Mother tongue), English (Fluent), Chinese(Basic), Spanish (Intermediate)