

# Jonathan OESTERBERG

## PERSONAL DATA

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## WORK EXPERIENCE

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JULY 2020 - AUGUST 2020	Landstinget Västmanland Forensic psychiatric institution staff.
JUNE 2018 - AUGUST 2018	Bombardier Transportation Sweden AB (Västerås) AI research project. Worked on applying the "Tobii eyetracker" product for railway applications.
OCTOBER 2017-MAY 2018	Studybuddy Mathematics tutor for high school students, working online and in person. The company gives leeway for its employees to set up a work plan for the students and structure the lessons freely.
SUMMER 2015, 2016, 2017	Landstinget Västmanland Forensic psychiatric institution staff. An important part of the job is to contribute to the patients' mental improvement and hopefully their recovery. To achieve the goal, dialogues and work plans are set up with the patients. The profession requires calm and professional behavior with no exception.
SUMMER 2014	Prolog Delivering newspapers during nights and early mornings.
SUMMER 2013	ICA Kvantum Åkrahallen Strawberry salesman.

## EDUCATION

FALL (2020 - ON GOING)	Mandarin Course, Q-LANGUAGE
FALL 2019	Exchange Hong Kong, HKUST
2018-2020	(PG) Degree of Master of Science, System, Control and Robotics (Computer Science) KTH TRACK: ROBOTICS AND AUTONOMOUS SYSTEMS GPA: 4.27/5.0 <sup>1</sup>
Master Thesis:	<a href="https://kth.diva-portal.org/smash/get/diva2:1473629/FULLTEXT01.pdf">https://kth.diva-portal.org/smash/get/diva2:1473629/FULLTEXT01.pdf</a>
2015-2018	(UG) Degree of Bachelor of Science, KTH VEHICLE ENGINEERING, TECHNOLOGY GPA: 4.10/5.0 <sup>1</sup>
Bachelor Thesis:	<a href="https://kth.diva-portal.org/smash/get/diva2:1219135/FULLTEXT01.pdf">kth.diva-portal.org/smash/get/diva2:1219135/FULLTEXT01.pdf</a>
2015-2020	Degree of Master of Science in Engineering, KTH VEHICLE ENGINEERING GPA: 4.15/5.0 <sup>1</sup>

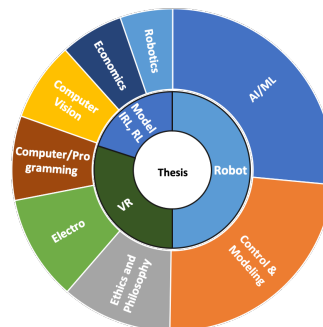
## COURSE OVERVIEW

(UG) BSc - 3 Years



GPA: 4.10/5

(PG) MSc - 2 Years



GPA: 4.27/5

## COMPUTER SKILLS

**Skilled:** C++/C, C#, PYTHON, MATLAB, ROS, LINUX  
JAVA, DART (FLUTTER), SQL (SQLITE, MYSQL),  
TENSORFLOW, .NET, HTML, CAD (FUSION 360, FREECAD, SOLID EDGE)

**Intermediate:** UNITY, JAVASCRIPT, FIREBASE, BOOTSTRAP

**Novice:** PHP, ASSEMBLY (MIPS), REACT, CSS

<sup>1</sup>There is no official GPA for KTH but can be calculated according to the formula listed on the page:  
<https://www.kth.se/en/student/program/utlandsstudier/utbyte/ansokan-behorighet-och-urval-vid-utbytesstudier-1.4405>

## ADDITIONAL INFO

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AUGUST 2020 - OCTOBER 2020	<b>Research Helper at HKUST</b> Helped with research projects (Computer Science and Engineering). It included literature review of papers and assistance of writing papers.
FALL 2019	<b>Robotics Research Project at HKUST</b> Worked with integrating hardware components for the STM32 micro-controllers.
FALL 2019	<b>RoboMasters</b> I was there during the admission process. I had to leave during the internal competition because of the general disturbances in HK. I made it pass the interview process and the tests before the internal competition. Learnt about the competition of RoboMasters, soldering techniques and software development for the STM32 micro-controller.
SUMMER 2019	<b>Built Robotic Arm</b> Built a robotics arm. The parts were custom built by myself using CAD (fusion 360) and a 3D printer. The software was implemented using ROS and linked to the hardware using Arduino and Raspberry Pi.
2017-2019	<b>Get Receive AB</b> Worked part-time helping a startup company, Get Receive AB, to set up prototype apps, websites and databases.
DRIVERS LICENSE	AM/A1/A2/B
2000-2015	<b>Hockey player</b> Team captain, J18 - J20 elit, Surahammar IF U16 elit - J18, Surahammar IF U14-U15, Västerås IK (-U13, Sala HK

## LANGUAGES

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SWEDISH:	Mother tongue
ENGLISH:	Full professional proficiency
SPANISH:	Novice
CHINESE (MANDARIN):	Novice