

KOEN CETON

MSc Systems & Control Engineering student

PERSONALIA

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EDUCATION

Delft University of Technology 2021 - 2024	MSc Systems and Control Engineering The Master of Systems and Control teaches students to use interdisciplinary strategies involving modelling, signal processing, controller design and system analysis. <i>Thesis on Deep Reinforcement Learning Approaches in Traffic Signal Control.</i> (Current GPA: 8/10)
Delft University of Technology 2017 - 2021	BSc Mechanical Engineering The Bachelor of mechanical engineering teaches the fundamental principles of mathematics, physics and design. Also, it teaches analytical problem solving, how to sell a product and work in a team effectively. <i>Thesis on implementation of wireless water irrigation systems through control theory.</i> Grade: 8/10. (Department of Systems and Control Engineering, DCSC, TU Delft).
University of Amsterdam 2020 - 2021	Artificial Intelligence This minor program teaches the fundamentals of artificial intelligence and machine learning. Hands-on programming allows me to better understand the principles of computer science and AI technologies. Grade final project: 9.5/10
Instituto Superior Técnico Lisboa 2022 - 2022	Elective Courses During my time abroad, I followed Systems & Control related courses: Computational Vision and Robotic Manipulation. And business-related courses: Strategic Management and Technology Based Entrepreneurship

WORK EXPERIENCE

Technolution Sep 2023 – 2024	Deep Learning Researcher (40 hrs/wk) With multidisciplinary expertise, Technolution creates reliable, innovative solutions. During my thesis internship, I used Deep Reinforcement Learning to optimize Traffic Signal Control systems. Areas of focus: Python, Deep RL, Safe RL, Robust RL, Optimization, MPC.
IVY Global Sep 2020 – Nov 2020	Data and stock analysis GATE Terminal (32 hrs/wk) My role in this 3-month project was to collect and organize specification information on the pneumatic actuators on the GATE Terminal and do both fields- and warehouse checks to confirm the collected information.
Lyceo Haaglanden Apr 2019 - present	Math tutor (1 – 4 hrs/wk) Tutor and guide high-school students of VWO and HAVO in the subjects mathematics A, B and D.

TU Delft Sep 2020 – Mar 2023	Mentoring first-year Mechanical Engineering students (<i>8 hrs/wk</i>) Assist and guide first-year students through their first semester of the Mechanical Engineering Bachelors.
MHCN Sep 2014 – Mar 2017	Field hockey trainer / coach (<i>8 hrs/wk</i>) Trained and coached several youth teams at my local hockey club.

FURTHER SKILLS AND CERTIFICATES

Academic	<p>Proficient in: Python, MATLAB, Excell.</p> <p>Personal projects: github.com/koenc100</p> <p>SolidWorks certificate: CWSA</p> <p>Cambridge English Assessment: C2 level</p>
Languages	<p>Dutch: Native language</p> <p>English: Fluent (C2)</p> <p>German: Basics (B1)</p>
Other	<p>Commercial driver license: B type</p> <p>VOL-VCA : Basis safety for operational supervisors</p>

FURTHER INTERESTS AND EXPERIENCE

YES! Delft Students Oct 2018 – Apr 2019	TEDx Delft Awards Together with a team of 6 students, we organized and executed the yearly TEDx Delft awards at YES!Delft. My main role in this project was to recruit and select testers and help them prepare to properly execute an inspirational and persuasive talk on this 300+ event.
Gezelschap Leeghwater Feb 2019 – Feb 2020	Editor / Writer – ‘De Slurf’ Every two months, together with a group of 6 other students, we wrote and designed a magazine on new innovations and hot subjects in the engineering- and technology sector.
S. V. T. V. Tenniphil Jan 2021 – Juli 2021	Open tournament committee Together with 6 fellow students, we did preparations for a 200+ tennis event. As president, I had to lead the meetings and remain in contact with the sporting facility.
Hobbies	After 15 years of field hockey, I felt like pursuing windsurfing and tennis. Furthermore, I play the piano, do hobby programming and like to head out with friends and appreciate cabaret or spoken word.