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🌐 Spanish, English
📍 Copenhagen, Denmark

SKILLS

React	JavaScript	CSS	HTML
Git	Front-End	MySQL	SCRUM
Python	Robotics	ROS2	Image Analysis

ACHIEVEMENTS

Courses

- ReactJS
- JEST
- Emotion

Publications

- Avgoustaki, D.D.; Avgoustakis, I.; Corchado, C.; Sohn, J.; Xydis, G. *Autonomous Mobile Robot with Attached Multispectral Camera to Monitor the Development of Crops and Detect Nutrient and Water Deficiencies in Vertical Farms*. *Agronomy* 2022, 12, 2691.
- Corchado, C., Antonietti, A., Capolei, M. C., Casellato, C., & Tolu, S. *Integration of Paired Spiking Cerebellar Models for Voluntary Movement Adaptation in a Closed-Loop Neuro-Robotic Experiment. A Simulation Study*. 2019 IEEE International Conference on Cyborg and Bionic Systems.

Other

- Guest lecturer at the Danish Natural Science Society (SNU) - Copenhagen (03/2018)

ABOUT ME

- In essence, I am a pretty dynamic person. I have a lot of fun making videos and taking photos, playing music and working on my writing and producing skills. I love learning new things and pushing myself!
- I must say that I am a super sporty person. It helps me a lot with my mental health and my physical well being overall.
- But ultimately, I love traveling and getting to know new people from different cultural backgrounds.

Carlos Corchado

Software Developer

Aiming to help create something special and unique through technology by being passionate, creative and having a huge determination. It is never too late to make a difference. Open for new exciting opportunities as a FrontEnd Developer.

WORK EXPERIENCE

Frontend Developer

seasony - (freelance)

04/2023 - Present

Copenhagen Area, Denmark

- Maintenance, feature implementation and bug fixing.

Skills: *React.js, JavaScript, TypeScript, CSS, HTML, SASS, Git, Scrum*

Software Developer

seasony

01/2021 - 02/2023

Copenhagen Area, Denmark

- Designed and implemented the behavior tree that the main product uses to perform different complex tasks. This included handling of new tasks, interruptions, recoveries among others.
- Maintained and improved the simulation environment used for testing the entire pipeline.
- Responsible for the integration between the robotics team and the web application team which lead me to interact with both the Front-End and Back-End of the application.

Skills: *python3, ROS2, MySQL, Git, Scrum, JavaScript, React*

Github: *~600 contributions (85% commits, 12% PR, 3% code review)*

Robotics Software Specialist

Danish Technological Institute

11/2019 - 01/2021

Copenhagen Area, Denmark

- Developed, implemented and integrated robotic software solutions in the food industry with the goal of creating more sustainable and efficient processes.
- As part of a multidisciplinary team, I was responsible for the development of solid and efficient software solutions, initially based in simulation and later integrated in complex hardware systems.

Skills: *python3, ROS, Git, Scrum, Tensorflow*

Hardware platforms: *UR, Fanuc, Abb, Kuka, Kinect Azure.*

Software Developer

AKQA

08/2019 - 11/2019

Copenhagen Area, Denmark

- Found new ways of using robotics and machine learning in the marketing industry. Developed different social human-robot interaction demos with the Softbank robotics platform Pepper.
- Created a portfolio and different pilot tests for the company to demonstrate the possibilities and capabilities behind robotics and ML to potential clients.

Skills: *java, Tensorflow, AndroidStudio, Git*

R&D Robotics Software Engineer

DTU - Human Brain Project

07/2017 - 12/2018

Copenhagen Area, Denmark

- 10-years H2020 FET European Union Flagship Project
- Found new ways of controlling robots by taking inspiration from nature: Neurorobotics
- Designed and implemented bio-inspired control architectures based on different parts of the Central Nervous System.

Skills: *python3, C++, Git, Gazebo, Rviz, ROS2*

EDUCATION

M.Sc. in Electrical Engineering

Technical University of Denmark

09/2015 - 07/2017

Copenhagen Area, Denmark

B.S. in Industrial Engineering

ETSI

09/2010 - 06/2015

Seville, Spain