

# João Pereira

Amsterdam, The Netherlands

🌐 [www.joao-pereira.pt](http://www.joao-pereira.pt) | 📞 (+31) 06-19792025 | ✉ [mail@joao-pereira.pt](mailto:mail@joao-pereira.pt) | 📱 [jpcpereira](#) | 🌐 [jpcpereira](#)

## Education

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<b>Eng.D. in Data Science</b> Eindhoven University of Technology	<i>Eindhoven, The Netherlands</i> 2019-2021
<b>M.Sc. &amp; B.Sc. in Electrical and Computer Engineering</b> Instituto Superior Técnico	<i>Lisbon, Portugal</i> 2013-2018
<b>Exchange Student</b> Université Catholique de Louvain	<i>Louvain-la-Neuve, Belgium</i> 2016

## Experience

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<b>Data Scientist</b> adidas	<i>Amsterdam, The Netherlands</i> Since Mar. 2021
<b>Data Scientist</b> FIOD - Belastingdienst	<i>Utrecht, The Netherlands</i> Jan. 2020 - Feb. 2021
<b>EngD Candidate in Data Science</b> Eindhoven University of Technology	<i>Eindhoven, The Netherlands</i> Jan. 2019 - Feb. 2021
<b>Student Researcher</b> Institute for Systems and Robotics	<i>Lisbon, Portugal</i> Jan. 2018 - Dec. 2018
<b>Intern (2x)</b> EDP Group	<i>{Lisbon, Coimbra}, Portugal</i> Summer of 2016 and 2017

## Skills

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<b>Languages</b>	Python, Matlab, JavaScript, C/C++, R, LaTeX
<b>Cloud</b>	AWS (SageMaker {Pipelines, Studio}, Step and Lambda functions, Glue, Athena, S3, ECR, IAM)
<b>Machine Learning</b>	Anomaly detection (my specialty), regression, classification, unsupervised learning.
<b>Deep Learning</b>	CNNs, RNNs, Seq2Seq, attention, generative modeling (VAEs), reinforcement learning.
<b>Libraries &amp; Frameworks</b>	TensorFlow, Flask, PyTorch, OpenCV, Scikit-learn
<b>Big Data</b>	Spark
<b>Frontend</b>	JavaScript, Bootstrap, jQuery, HTML, CSS, D3.js
<b>Soft</b>	A lot of enthusiasm and energy for solving challenging problems.

## Selected Publications

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Please check [my website](#) or [my Scholar profile](#) for a full publication list.

<b>Unsupervised Anomaly Detection in Energy Time Series Data Using Variational Recurrent Autoencoders with Attention</b> 2018 17th IEEE International Conference on Machine Learning and Applications (ICMLA)	<i>Orlando, Florida, USA</i> 2018
<b>Learning Representations from Healthcare Time Series Data for Unsupervised Anomaly Detection</b> 2019 IEEE International Conference on Big Data and Smart Computing (BigComp)	<i>Kyoto, Japan</i> 2019
<b>FIOD Image Intelligence: An Application for Large-Scale Object Detection and Analysis</b> EngD thesis	<i>Eindhoven, The Netherlands</i> 2021

## Projects

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Please check [my website](#) for an overview of previous projects.