

# Ryan Ott

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## WORK EXPERIENCE

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**AI for Space Standards Analysis** — European Space Agency      Noordwijk, Aug 2024 - Oct 2024

Responsible for creating AI models and NLP pipelines to analyze and predict new space standard requirements documents. Developed a fine-tuned language embedding model for ESA applicable standards such as ECSS, ISO and CCSDS.

**Checkout, Product Management** — Adyen      Amsterdam, Apr 2023 - Jul 2024

Managing the deprecation of a legacy feature in Adyen's online payments Checkout product.

- Handling the coordination between Account Management, Legal and Technical teams both internal and external to ensure smooth transition for merchants.
- Topic extraction and sentiment analysis of internal communications to improve technical documentation.

**Technical Support** — Adyen      Amsterdam, Nov 2021 - Apr 2023

Customer facing role, responsible for configuring merchant accounts through Adyen's API. Collaborated with Financial teams to handle acquiring of funds and settlements. Worked with Development teams to better integrate payment methods and provide support through Python automation scripts.

## PROJECTS

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**Transformer for Summarisation**

Bachelor thesis project, implementing and training an encoder-decoder transformer model from scratch under tight resource constraints to generate abstracts of news articles.

**Investigating Visually Grounded Language Embeddings**

Research project, probing the language embedding space of a pre-trained vision-and-language model to understand how incorporating visual information affects the language embeddings. Won first place at the UvA *Interpretability and Explainability in AI* conference in 2024.

## EDUCATION

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2023 - present	MSc Artificial Intelligence at <b>Universiteit van Amsterdam</b>	GPA: 4.0
2020 - 2023	BSc Artificial Intelligence at <b>Vrije Universiteit Amsterdam</b>	GPA: 4.0
2019 - 2020	Bachelor of Information Technology at <b>Inholland Haarlem</b>	
2016 - 2019	International Baccalaureate at <b>International School of the Hague</b>	

## PUBLICATIONS

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Sauter, Adrian et al. (2024). "Studying How to Efficiently and Effectively Guide Models with Explanations" - A Reproducibility Study". In: *Transactions on Machine Learning Research*. ISSN: 2835-8856. URL: <https://openreview.net/forum?id=9ZzASCVhDF>.

## SKILLS

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<b>Languages</b>	English (native), German (native), Dutch (native), Russian (elementary)
<b>Programming</b>	Python, PyTorch, TensorFlow, Sklearn, Scipy, Numpy, Pandas, C#, Java, SQL, HTML, CSS, Git, Linux, L <sup>A</sup> T <sub>E</sub> X