Jonathan Erikson

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Profile Summary

Recent Master of Science in Engineering – Computer Science graduate from KTH Royal Institute of Technology with several years of .NET development experience. Strong foundation in software engineering principles, with a special interest in Data Science and Machine Learning.

Education

KTH Royal Institute of Technology
Master of Science in Engineering - Computer Science (Civilingenjör Datateknik) 2019 - 2024

- *Bachelor of Science in Engineering - Computer Engineering* 2019 - 2022
- *Master of Science, Computer Science - Data Science and Machine Learning* 2022 - 2024

Tullängsgymnasiet
Upper Secondary School - Engineering Program 2016 - 2019

- Focus on Mathematics, Physics, and Programming

Work Experience

Statistics Sweden / Statistiska Centralbyrån (SCB)
System Developer (Part-time, 25%) 2021 - 2023

- Implemented new features and reformatted older code for .NET software, including PxWeb.
- Developed a tool to convert metadata from a database into an XML document following DCAT-AP standards. Github Link.
- Explored alternative metadata structures by converting a relational database to a graph database and creating a graphical interface. Used Python, JavaScript, C#, Cypher, and T-SQL.

Skills

- **Languages:** Swedish (native), English (fluent)
- **Programming Languages:** C# / .NET, Python, Java, SQL.
- **Technologies:** Databases, APIs, git.

Projects

- **Popify:** Full-stack web application for exploring your favorite music. Integrated with the Spotify API, built with React. GitHub Link.

- **Master's thesis: Football shot detection using convolutional neural networks**
  Together with Football Analytics Sweden I researched convolutional neural networks and their ability to detects shots in football video data. The work was done in Python using the latest computer vision technologies, such as pre-trained 3D CNNs.