



ÅA project course 2021-2022: AI machine learning & Image processing

Presentation 24092021

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About Oy Everon AB

- HQ in Åbo subsidiaries in Sweden & UK
- 50 employees + 20 Consultants
- Fast growing 100+% annually
- € 12 M. + turnover
- Main market today elderly care
- A peoples company
- AI a priority moving forward



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What we are looking for project 1

- **Improved pose detection for elderly care**
 - **Current implementation** uses off-the-shelf machine learning model for performing pose detection from images, which has limitations (camera angles, image warping, wheelchair use)
 - **Task** is to benchmark different pose detection approaches (e.g. other machine learning models) and seek to improve the current pose detection (e.g. using transfer learning to improve model, image pre-processing,...)
 - **Results:** demonstrator software and a report



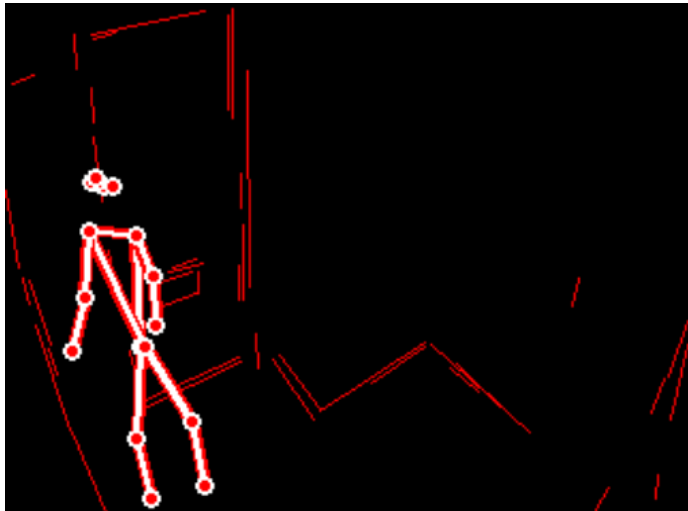
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What we are looking for project 2

- **Automatic detection of room elements**
 - **Currently** key areas are manually drawn to indoor room images for enabling resident activity monitoring. This can be automated to an extent.
 - **Task** is to detect key areas from indoor room images (doors, floor, bed, television,...) using either machine learning or traditional image processing.
 - **Results:** demonstrator software and a report



Tack för uppmärksamheten



Frågor ?



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