



UNIVERSITY OF ALBERTA

# Research Weekly Report

From 2022-07-06 to 2022-07-10

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## 1 Paper Reading

This week I just arrived in University of Alberta, Edmonton and discussed about the research topic with Prof. Li. I'm already familiar with the facilities around the school by today. I have sent greetings email to Jinan Bao and Tushar Prakash and Jinan has not reply to me yet. Tushar said that I should ask to put in a request for me on the IST portal and I think it can be done after mid-July so that I can get access to the GPU resources.

I have read the paper "Anomaly Detection via Reverse Distillation from One-Class Embedding", and there are something I cannot figure out due to the lack of understanding in anomaly detection algorithms. Therefore, firstly, I watched the [anomaly detection video](#), which can make me get the basic idea of the anomaly detection.

I have also find a survey paper on anomaly detection called "[Deep Learning for Anomaly Detection: A Survey](#)", which have 50 pages. I think I can get an overview of research methods in deep learning-based anomaly detection.

## 2 Open Source Code

I think the preparation for open source code is necessary as well. Therefore, I have created a new public repo in GitHub for our future research, which can be found in [preminstrel/anomaly-detection](#).

## 3 Plan for Next Week

Next week, I will keep reading the paper I have mentioned above and try to get contact with Jinan (maybe this week she's a little busy).