## Weekly Report

## What I did:

- Worked with Lu to finish the python script for querying data from nestate database
- Collect some more CNC data
- Finish the script to convert all the raw data files to a well-formatted input
  - Before: 1000+ files with following information

```
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Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.ActualPosition", "TogValue":"98","TimeStamp":"\/
Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.ActualVelocity","TogValue":"0","TimeStamp":"\/
Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.ActualAcceleration","TogValue":"0","TimeStamp":"\/
Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.ActualAcceleration","TogValue":"0","TimeStamp":"\/
Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.CommandVelocity","TogValue":"0","TimeStamp":"\/
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Date(1587214658270-8480)\/"},{"Status":0,"TogName":"::[New_Shortcut]X1.CurrartFeedEack","TogValue":"0.829387%","TimeStamp":"\/
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```

• After: well-format matrix input, easy to read and process

```
1. Anteriorgical production (a) 0. Information (a) 1. Anteriorgical production (b) 1. Anteriorgical production (c) 2. Anteriorgical production (c) 2. Anteriorgical production (c) 2. Anteriorgical production (c) 2. Anteriorgical production (c) 3. Anteriorgical production (c) 4. Anterior
```

- Start working on script to preprocessing data
- Continue research for state-of-the-art way of performing feature extraction

## Goal for next week:

- Start working on script to filter and plotting data
- Continue research for state-of-the-art way of performing feature extraction