Master Thesis –
Detecting Faulty CI Equipment Using AI/ML

**Background**
Computer hardware is getting increasingly complex and as a result less and less reliable. One important tool to ensure system stability in a world full of faults is being able to detect and identify problems.

**Thesis Description**
Can we use the enormous amount of data in our CI environment to automatically identify suspect equipment?

[https://blog.dshr.org/2021/06/unreliability-at-scale.html](https://blog.dshr.org/2021/06/unreliability-at-scale.html)

The following steps are envisioned as part of the thesis work:

- Investigate and compare current research using the present CI data to identify faulty equipment
- Apply research to the available data set
- Analyze results of the tests and evaluate if problems could be identified using these methods.

The thesis will be concluded with a result presentation for the Ericsson team.

**Qualifications**
This project aims at students in electrical engineering, computer science, computer engineering or similar. Background in wireless communication is preferred.

**Extent**
1-2 students, 30hp each

**Location**
Ericsson AB Mjärdevi, Linköping

**Preferred Starting Date**
Spring 2022

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**Contact Persons**
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