



# INTERNSHIP

## Data Scientist for PCBA Failure Estimation

### Problem Description

Electronic devices like PCBs are designed and manufactured in our company with very high standards. However, aging cannot be avoided and someday it will be needed to replace them. In order to maximize system availability, the optimal time to replace electronic units should be known in advance, before components fail.

The primary goal of this internship is to analyze the behavior of electronic devices and develop a remaining useful life (RUL) estimation model, based on known system parameters (e.g. MTBF of electronic components) and on on-line measurements (e.g. current consumption, temperature, vibrations, etc.). Data shall be analyzed and ML techniques shall be applied.

### Your Profile

- Bachelor/Master student in electrical / mechanical engineering / computer science
- Experience in data analysis and ML
- Experience in programming in C, C++, or Python
- Independent, structured, and solution-oriented

### Contact

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