



## Failure Analysis Student

Come join the Amazon family and take part in the development of unique products that will define the future of the cloud market.

The role includes:

- Preparation and inspection of metallographic cross-sections of solder joints and electronic components for routine monitoring and failure analysis.
- Preparation of samples for failure analysis of IC's
- Take part in the development of techniques for sample preparation
- You will have an opportunity to be exposed to state-of-the-art techniques and tools for debug and failure analysis, like FIB, Electron microscopy and photonic methods for debug and fault isolation.

### BASIC QUALIFICATIONS

- Student for B.Sc. in Materials/Chemical Engineering or higher. Or a student for M.Sc. in Chemistry. At least one year of remaining studies.
- Available at least 20 hours a week. Working in shifts is also possible.
- Personal skills:
  - Organized
  - Highly motivated and Diligent
  - Hands-on person
  - Good teamwork and good communication skills, but yet have the ability to handle tasks independently
- Proficiency in written and spoken English

### PREFERRED QUALIFICATIONS

- Experience in preparing and inspecting metallographic cross-sections
- Experience with SEM and/or TEM
- Experience with FIB
- Hands-on experience with acids
- Relevant courses in VLSI processing, electronics packaging and assembly, metallurgy, electron microscopy.

You have the opportunity to work alongside prominent researchers and engineers.

Interested? Send me your CV and grade sheet.

[maayanf@amazon.com](mailto:maayanf@amazon.com)

<https://www.amazon.jobs/en/jobs/758582/failure-analysis-student>