



Semiconductor Device Testing and Modeling

Job Description

The individual selected for this internship position will have the opportunity to learn semiconductor devices physics, measurement techniques, modeling and statistical optimization of experiment design.

Key Responsibilities (one or more of the following, depending on individual interest and strength)

- Perform various electrical measurement on semiconductor devices.
- With the data from device test, perform statistical analysis to help design optimization.
- Build measurement setup, electronic circuits for device measurement.
- Build model based on device physics and measurement data.

Required Qualifications

- Undergrad or graduate student in Physics, Electrical Engineering, Materials Science, or related areas.
- Strong sense of urgency; Self-motivated. Possessing initiative and drive to work around obstacles.
- Highly committed.

Preferred Qualifications

- Knowledge in Python.
- Hands on experience with electronics and circuits.
- Basic knowledge of statistics and machine learning

Salary

By negotiation based on skill level.

About the Company

Cambridge Electronics, Inc. (CEI) is an MIT spinoff that is developing next generation GaN semiconductor devices to revolutionize the future of power electronics and communication. CEI offers a dynamic environment, great potential for personal growth and competitive compensation packages. CEI is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

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