Electro Optical Engineer Interview Questions

1. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.
2. What kind of experience do you have designing, integrating, or testing photonics systems or components?
3. What is key to develop optical or imaging systems, such as optical imaging products, optical components, image processes, signal process technologies, or optical systems?
4. Share an experience you had in dealing with a difficult person and how you handled the situation.
5. Tell me how you organize, plan, and prioritize your work.
6. Share an experience when you applied new technology or information in your job. How did it help your company?
7. Give me an example of when you thought outside of the box. How did it help your employer?
8. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.
9. Would you consider analyzing data or information a strength? How so?
10. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?
11. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?
12. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.
13. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)
14. What are some long-range objectives that you developed in your last job? What did you do to achieve

them?
15. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?
16. Share an experience in which your attention to detail and thoroughness had an impact on your last company.
17. Share an experience in which you've successfully learned how to handle a new piece of equipment?
18. Name a time when your creativity or alternative thinking solved a problem in your workplace.
19. Share an experience in which you were able to generate a new design or modify a current design to better serve the needs of your customers.
20. Share a time when you successfully used scientific rules or methods to solve a problem at work.
21. Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities? (Make sure the candidate is a self-starter and can demonstrate some initiative.)
22. Share an experience in which you conducted a test of a product, service, or process and successfully improved the quality or performance.
23. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)
24. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)
25. Tell me about a time when your ability to analyze needs and product requirements helped you create an effective design or make an informed decision to benefit your company.
26. What have you found to be the best way to develop or test photonic prototypes or models?

27. Name a time when you assisted in the transition of photonic prototypes to production.
28. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.
29. Describe methods you have found effective to conduct testing to determine functionality or optimization or to establish limits of photonics systems or components.
30. Describe a time when you were able to select the best tool to do a job. How did you use reasoning skills to make the best choice?
31. Name a time when you conducted research on new photonics technologies.
32. How do you stay current on literature, talk with colleagues, continue education, or participate in professional organizations or conferences to keep abreast of developments in the field?
33. Please share an experience in which you successfully taught a difficult principle or concept. How were you able to be successful?
34. Provide a time when you dealt calmly and effectively with a high-stress situation.
35. When is the last time you documented design processes including objectives, issues, and outcomes? Share an example.
36. Name a time when your patience was tested. How did you keep your emotions in check?
37. Tell me about the last time when you oversaw or provided expertise on manufacturing, assembly, or fabrication processes.
38. Share an experience in which your willingness to lead or offer an opinion helped your company.
39. What factors do you consider when determining commercial, industrial, scientific, or other uses for electro-optical applications or devices?

40. Describe an experience when you trained operators, engineers, or other personnel.
41. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges and results?
42. Walk me through how you would design gas lasers, solid state lasers, infrared, or other light emitting or light sensitive devices.
43. Provide an experience in which you were sensitive to somone's needs or feelings. How did your helpfulness affect your work environment?
44. Tell me about a time when you successfully determined the cause of an operating error at your company and solved the problem.
45. Describe methods you have found effective to develop photonics sensing or manufacturing technologies to improve the efficiency of manufacturing or related processes.
46. Share an example when you successfully designed photonics products, such as light sources, displays, or photovoltaics to achieve increased energy efficiency.
47. Tell me about your last experience doing repair work. How did you determine what tools you needed?
48. Describe an experience in which you successfully controlled the operation of a difficult system. What made you successful?
49. Tell me about some of your most recent computer programming projects.