Job Posting Analysis Assignment

The goal of this assignment is to analyze different job postings, extract the important elements within the job description, and identify the important factors that the hiring manager will base his decision on.The first step in the analysis is to know about the company, its products, and its goals. Then, the second step is to look into the job description, understand what the company hopes to get from the candidate, and what the criteria the company has put into choosing the candidate. Finally, the third step is to evaluate the skills of the candidate and check what the candidate can offer to the team in charge of the job position. So, when building the resume, the candidate must take all the factors related to the company, the job posting, and the skills into account and design the resume to stand out for the particular job.

The first job opening is about an analog and mixed-signal design engineer position at Apple. Apple is one of the top tech companies that specializes in consumer electronics. Apple is one of the companies that offer high salaries and stock options for chip designers, making Apple an attractive place for hardware engineers. For this position, Apple is looking for someone who could help with designing the analog parts of the systems inside its products like the iPhone and the iPad. The candidate must at least have a master’s degree and have a solid understanding of analog circuit design along with the software skills required for the design process. The candidate must also have some lab experience to test the circuits being designed and be a team player to work with the product engineers to develop test plans for the end-product. The company is hoping to hire an innovative, passionate, and skillful individual who can add value to the upcoming Apple products. So, the important factors that need to be added in the resume for this job are analog design industry experience, hands-on lab experience, IEEE publications, and analog-related school projects.

The second job opening is about a senior analog and mixed-signal circuit design position at Nvidia. Nvidia is a leading company in developing and producing graphics processing unit chips (GPUs) and system-on-chips (SOCs) for AI applications. In this position, Nvidia is offering a promotion to a senior designer position, and, in general, Nvidia gives some of the highest salaries for analog designers. For this position, Nvidia will be looking for a senior engineer who has at least 2 years of industry experience, a master’s degree, and experience with advanced submicron technologies like Finfets. The company is hoping to hire a senior engineer who understands analog circuits on a system to provide valuable ideas for developing Nvidia’s high-speed chips used in AI acceleration applications. So, the important factors to be added to the resume are work experience in system-level design, school projects showing design work on different analog circuits, and IEEE publications.

The third job posting is about a test engineer position at Google. Google is one of the top software companies in the world that specializes in internet-related services, but recently, Google has decided to expand into the hardware market by developing AI-acceleration chips like the TPUs and designing smartphones. What Google can offer are high salaries, a good working environment, stock options, and an opportunity to grow fast, since the hardware department is a relatively new department. For this position, Google will be looking for a candidate who has at least 3 years of hardware industry experience, a bachelor’s degree, hands-on lab experience, and programming skills. The company is hoping to hire an engineer who understands the basics of electrical engineering and has programming skills to develop test plans and automation scripts for Google’s high-speed AI chips and Pixel phones. So, the important factors to be added to the resume are industry experience with lab equipment, strong knowledge in programming languages, and electrical design school projects showing.

Analyzing the job opening posted by the company is a crucial step during job hunting. The first step in getting a job is to get the resume recognized within the hiring process and selected for an interview. Having an appealing resume that stands out among hundreds of other resumes can only be possible if the candidate studies the job posting well and tailor the resume accordingly. So, as shown in the job analyses discussed in this assignment, the important factors that the candidate needs to include in the resume are extracted from the requirements listed in the job description posted on the company’s website.

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|  | **Company Analysis** | | | **Self Analysis** | |
| **Job** | **How the company will make the decision** | **What the company will offer** | **What company hopes to get** | **What you have to offer** | **What you will place in the resume to influence** |
| **#1** | * MS degree is a must. * Experience in Analog Design is needed. * Hands-on Lab experience is needed. * Teamwork skills are needed to work with product engineers. | * Apple pays high salaries for chip design positions. * Apple offers stocks. | * A person who can contribute in designing circuits for leading-edge technology. | * Analog design experience. * Lab experience. * Diverse software and hardware skills. | * Work experience (in Analog design and Lab work). * IEEE publications. * Analog design school projects. |
| **Link:** | <https://jobs.apple.com/en-us/details/200003517/analog-mixed-signal-design-engineer?team=HRDWR> | | | | |

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| **#2** | * MS degree is a must. * Min 2 years of analog industry experience. * Experience with deep-submicron technologies. * System-level experience is required. | * This position offers an upgrade to a senior position. * Nvidia pays high salaries for chip design positions. | * A person who can understand the circuits on the system-level to develop circuit architectures for the coming GPUs and SOCs. | * Analog design experience. * Diverse software and hardware skills. | * Work experience in Analog design. * IEEE publications. * Analog design school projects. |
| **Link:** | <https://www.linkedin.com/jobs/view/senior-mixed-signal-engineer-analog-circuit-design-hardware-at-nvidia-1455605818/?utm_campaign=google_jobs_apply&utm_source=google_jobs_apply&utm_medium=organic> | | | | |

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| **#3** | * BS degree in Computer science or Electrical engineering. * Min 3 years of test automation experience. * Strong background in programming. | * Google pays high salaries. * Google has a good work environment. * Google offers stock options. | * A person who develop test plans and automation scripts. | * Hands-on lab experience. * Programming skills in C, Python, Tcl, and VB.Net. | * Testing-related work experience. * Electrical engineering school projects. * Programming certifications. |
| **Link:** | <https://careers.google.com/jobs/results/97684746298892998/> | | | | |