**NVIDIA 英伟达最新实习生招聘信息**

**NVIDIA是谁？**

“全球最佳CEO”—— 哈佛商业评论

“全球最受赞赏公司”—— 财富

“全美最环保公司”—— 新闻周刊

“全球最聪明的50家公司”—— 麻省理工科技评论

“50大最佳工作场所”—— Glassdoor

**NVIDIA——人工智能计算公司**

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# 需要如何申请呢？

如果你对以上职位感兴趣，请发简历至： dorothyl@nvidia.com

邮件标题：职位名+姓名+毕业时间+开始实习时间+可实习月数+招聘信息来源

# 软件类

## 深度学习/人工智能

### Intern - Developer Technology Engineer of Machine Learning – Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

【你会做些什么】

1. 你将与世界各地最具才华的顶尖软件开发者合作，并帮助将NVIDIA的技术集成到应用程序中。
2. 你将与架构和驱动团队紧密合作，以确保当前一代GPU发挥最好的性能
3. 你将有机会影响下一代GPU架构的趋势与特性
4. 你将开发使用GPU的新技术，创建技术演示，编写白皮书，并在会议上展示你的工作。

【我们想要看到这样的你】

1. 拥有深度学习/机器学习领域的扎实理论基础，熟悉GPU技术，包括神经网络、并行计算、CUDA编程和性能分析
2. 熟悉至少一项深度学习相关框架
3. 熟悉Python或C++
4. 对图像处理或图形学有一定研究
5. 每周3天以上，实习4个月以上

### Intern- AI Developer Technology Engineer - Beijing

【坐标】北京市朝阳区财富金融中心

【你会做些什么】

1. 参与深度学习、机器学习、数据分析领域最新技术（模型/算法/编程实现/优化）的研究和开发；
2. 参与工业界实际应用的深度分析和优化，以保证该类应用在当前和未来GPU架构上的业界最佳性能；
3. 为关键客户（业界主要公司）提供最佳AI解决方案；
4. 和GPU架构团队、研究团队、应用库和开发工具团队、系统软件团队等紧密合作来影响下一代GPU架构，软件平台和编程模型的设计与开发；
5. 与世界各地的优秀同事一起助力深度学习技术在各个领域（互联网，金融，医疗等）中实际落地。

【我们想要看到这样的你】

1. 顶尖大学的计算机科学相关专业的优秀硕士、博士毕业生；
2. 拥有深度学习/机器学习领域的扎实理论基础，熟悉常见的深度学习网络或机器学习算法；
3. 拥有良好的C/C++编程能力，良好的软件设计和开发能力；
4. 4.（可选）有并行计算编程基础，有CUDA C/C++编程经验更佳；
5. 良好的沟通能力、解决问题能力、时间管理能力和任务优先级管理能力。
6. 实习时间至少3个月及以上，至少3天/周 (实习表现优秀可留任，欢迎19届同学投递；19届的同学如果无法实习，可直接投递校招职位）

### Intern- Machine Learning Solution Engineer – Beijing

【坐标】北京市朝阳区财富金融中心

**What you'll be doing:**

* Develop and optimize critical algorithm modules for machine learning (deep learning) solutions.
* Cutting-edge R&D work for one of domains, Image/Video analysis, speech recognition or recommendation algorithm, based on Deep Learning technology.
* Understand and study compute problems in machine learning (deep learning) solutions, problems such as low precision, fixed precision, network pruning, network compression, asynchronous distributed multi-node/multi-gpu training, etc.
* Targeting some vertical domains in AI (image, video, speech, etc.), provide end-to-end solutions or prototypes.
* Solving real-world problems with modern machine learning technologies, in manufacturing, telecommunication, finance, medical, etc.
* Support other internal teams.
* Backed by top research institutes collaborating with NVIDIA, digest and absorb their state-of-art research achievements. Aligning with NVIDIA’s AI strategy, acquire necessary technologies.

**What we need to see:**

* Majoring in Electronic Engineering, Computer Science, Automation or others. Master degree or above.
* Experience in performance analysis, performance modelling and/or performance optimization.
* Deep understanding of computer architecture. In-depth project experience on processor architecture, including GPU, ARM, MIC, FPGA, Shenwei, etc.
* Deep understanding of basic theory and methods of machine learning.
* In-depth work of one or few vertical areas (including image/video processing, speech recognition, natural language understanding, recommendation algorithm, etc.).

## C/C++

### Intern - Deep Learning Performance Architect – Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

【你会做些什么】

1. 针对架构和算法特征开发汇编级或者CUDA代码
2. 优化cuBlas、cuDNN、TensorRT的核心kernel
3. 针对未来GPU架构开发原型代码，推进下一代架构的设计和优化

【我们想要看到这样的你】

1. 较强的C++编程能力、算法分析和实现
2. 熟悉计算机体系结构
3. 有CUDA代码调优经验（或者SIMD等架构的调优经验）优先
4. 熟悉矩阵计算的优化和加速优先
5. 每周3天及以上，3个月及以上  (实习表现优秀可留任，欢迎19届同学投递；19届的同学如果无法实习，可直接投递校招职位）

### Intern – GPU SM Arch – Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

【你会做些什么】

NVIDIA的GPU和SOC在性能和效率方面处于世界领先地位，SM（Streaming

Multi-processor）是其强大处理能力的核心。GPU SM架构师将参与设计实现为下一代GPU提供动力的最先进的SM架构，主动解決具有挑战性的技术问题，不断优化以达到最佳效果。

1. 在对现有SM架构的研究和学习基础上参与架构设计，提出自己的构想
2. 开发性能和功能的仿真模型
3. 对性能及功能进行测试和验证
4. 在模拟器/RTL上进行调试

【我们想要看到这样的你】

1. 计算机/电子相关专业本科/硕士/博士
2. 较强的C++/Perl/Shell 的知识背景及开发经历
3. 熟悉Linux开发环境，有相关经历加分
4. 对GPU架构工作有很强的兴趣
5. 实习时间至少6个月及以上，至少3天/周

### Intern – GeForce Product Marketing Solution Architect – Shanghai

【坐标】北京市朝阳区财富金融中心

**What you’ll be doing:**

* Investigate requirements and existing solutions of vary segments of market (gaming/non-gaming), analyze and evaluate if/how to utilize GPU expertly in the particular area;
* Tune and/or prototype key applications with new GPU technologies
* Design and develop tools to simulate and validate solutions and applications performance

**What we need to see:**

* Master degree in CS/EE;
* Strong programming skills in C /C++;
* Strong programming skills in CUDA;
* background of PC architecture, especially GPU;
* understand cloud/AI basic and video/image computing technology is a plus;
* self-driven style, good English in writing;
* familiar with gaming industry is a plus, serious gamer is helpful;

## Web类/安卓

### Intern- Digital Marketing – Beijing

【坐标】北京市朝阳区财富金融中心

**What you’ll be doing:**

* Maintain and update website content including but not limited to banner, product image, layout, eDM in timely manner.
* Manage requests and coordinate with various stakeholders to ensure requests are handled promptly and accurately.
* Assist in preparation of marketing materials.
* Provide general administration support to the team.
* Integrate open source and third-party applications into existing systems as needed.
* Web development support to web team desirable

**What we need to see:**

* Pleasant, positive working attitude, strong sense of responsibility and detail-minded.
* Excellent communication and interpersonal skill.
* Good PC knowledge of Microsoft Office Tools.
* Experience in Photoshop, Illustrator, Paint or other design related softwares.
* Experience in PHP, HTML/HTML5, JQuery, CSS/CSS3, XML HTML and JavaScript.
* Knowledge in PHP frameworks (Symfony) and JAVA programming is an advantage.
* Hands on experience with CMS platforms (Drupal, WordPress, Adobe Experience Manager) is an advantage.
* Willingness to undertake any other duties as may be required from time to time.
* 至少实习6个月，每周至少4天

### Intern- Android System Software Engineer – Beijing

【坐标】北京市朝阳区财富金融中心

**What you’ll be doing:**

* Design and implement software platform for Tegra devices, mostly at the frameworks level.
* Design and implement Android system features or Android apps to enhance the user experience for Tegra products.
* Deliver excellent software for CTS certification
* Performance tuning, plus system stability

**What we need to see:**

* Pursuing BS or MS degree in EE/CS/CE
* Considerable programming experience ​in C/C++ and Java
* Expertise in multithreaded programming and debugging
* Strong Computer Science fundamentals and problem-solving skills
* Experience in Android application frameworks and UI frameworks internals
* Hands-on experience in Android application development
* In-depth knowledge of Android OS and Android Frameworks
* 至少实习6个月，每周至少3天

**Ways to stand out from the crowd:**

* In-depth knowledge of UI windowing system and view/surface management
* Understanding of graphics and display software stacks
* Ability to debug UI performance issues
* Experience in test case design and automated scripts for your own code
* Ability to work independently to gather requirements and design/implement/verify solutions ​

## 测试类

### Intern- CUDA Automation Triage Software Engineer– Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

**What you’ll be doing:**

* Triage failures from nightly and weekly automation testing
* Root cause the failure and assist developer to fix it
* Develop scripts/tools and optimize workflow to speed up work efficient

**What we need to see:**

* Good Linux/Windows OS knowledge
* Good trouble shooting, analytical skill, logical thinking and inferences capability
* Good Python script is a must
* Good C and develop experience under Linux is a plus
* Good testing experience is a plus
* work 3 days a week for at least 6 months is a must

**Ways to stand out from the crowd:**

* Can work 4 days a week for at least 6 months
* Excellent English communication and collaboration skills
* MS or PhD degree from a leading university in computer science

### Intern- 游戏测试实习生– Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

**What you’ll be doing:**

* Candidate will create, tune, run and analyze graphics and systems benchmarks on PCs, workstations and laptops. Tasks may include some scripting to automate current test processes and benchmarks for improved efficiency.
* Candidate must have ample knowledge of computer components and application level benchmarks that demonstrate performance for a specific workload.
* Candidate may also need to configure computer systems with appropriate hardware and software to run benchmarks on various systems. They would run benchmarks on these systems.
* Candidate would analyze results from benchmark runs and create reports to position NVIDIA products appropriately using their evaluation.

**What we need to see:**

* BS in Computer Science or similar computer discipline
* Working knowledge of all Windows operating systems
* 简历请附上游戏经历
* 每周至少3天，至少6个月

**Ways to stand out from the crowd:**

* Knowledge of C, C++, Perl, OpenGL, Direct X and D3D.
* Familiarity with Linux is a plus.

# 硬件类

## IC Level

### Intern - Physical Design CAD Engineer - Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

【你会做些什么】

1. 负责流程的自动化，回归测试
2. 对布局、布线、时序、时钟、功耗、噪声、DFM进行分析
3. 测试支持，使用perl/tcl/makefile/java进行infrastructure的编程。

【我们想要看到这样的你】

1. EE相关专业硕士，或者软件工程相关专业
2. 如果是EE相关专业，需对芯片设计中的设备模型、工艺、时序、噪声和功率有基本的了解; 如果是软件工程相关专业，需要有较强的独立编程经验。
3. 熟练掌握 Perl or TCL ( or C, Python) 者优先
4. 具有DL/ML相关背景者优先
5. 每周3天及以上，6个月以上（仅考虑20届学生）

### Intern – ASIC Intern – Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

**What you’ll be doing:**

* Design/verification of multimedia hardware
* Work closely with NVIDIA architects to evaluate/improve multimedia architecture and algorithm
* Design/verification methodology study

**What we need to see:**

* Master candidate in EE/CS or related field
* Basic C/C++ knowledge is a must
* Basic digital circuit/verilog knowledge is a must
* 每周至少3天，至少6个月

**Ways to stand out from the crowd:**

* Quick learner, willing to take challenges in a new field
* Fluent English and good communication skills
* Scripting knowledge (Perl/Python/Shell) is a plus
* High level synthesis knowledge is a plus
* Video/image processing background is a plus
* Microprocessor/security background is a plus
* Deep learning background is a plus

### Intern – DFT Intern – Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

**What you’ll be doing:**

* DFT logic implementation and verification
* maintain DFT flow and run regression

**What we need to see:**

* Strong logic design and verification background
* Possess basic knowledge of DFT (Scan/ATPG, MBIST, JTAG, etc.)
* Skilled in Perl/tcl programming
* Proficient at Verilog HDL

**Ways to stand out from the crowd:**

* Prefer to have experience with logic simulators and debug tools (such as vcs, ncsim, verdi)
* Familiar with C/C++ , Makefile is a plus
* Strong problem solving and analytical skills
* Excellent communication skills and teamwork

### Intern – SOC ASIC Intern– Shanghai

【坐标】上海市浦东新区，二号线广兰路地铁站附近

The NVIDIA System-On-Chip (SOC) group is looking for top students to work for some challenging SOC tasks. The tasks will include design, verification, methodology, machine learning or deep learning application to help SOC work.

**Minimum Requirements:**

* MS in EE/CS.
* Understand digital ASIC Front End flow
* Excellent analytical and problem solving skills
* Fluent English (both written and spoken)
* Work >= 3 days per week.
* Strong Verilog or System Verilog programming skills is a plus
* Strong Perl or Python scripts coding skills is a plus
* Basic knowledge on machine learning/deep learning is a plus