**About the job**

**About GitHub**As the global home for all developers, GitHub is the complete AI-powered developer platform to build, scale, and deliver secure software. Over 100 million people, including developers from 90 of the Fortune 100 companies, use GitHub to build amazing things together across 330+ million repositories. With all the collaborative features of GitHub, it has never been easier for individuals and teams to write faster, better code.  
  
**Locations**In this role you can work from Remote, United States  
  
**Overview**GitHub Copilot has changed the way software is built, and we have a unique opportunity to look further ahead to identify how software development can be faster, safer, easier, and more accessible. We’re looking for talented and passionate applied scientists to join us in this mission!  
  
The GitHub Copilot Applied Science team has a crucial role in improving and expanding the functionality of GitHub Copilot. Our responsibilities encompass various areas such as LLM fine-tuning generation, prompt engineering, and the development of end-to-end AI features using cutting-edge technologies. In this role, you will collaborate closely with a diverse and highly-skilled group of researchers, scientists, and software engineers within our team, while partnering with multiple teams across Github and Microsoft. Together, we are dedicated to shaping the future of software development by continuously enhancing the AI-powered capabilities in GitHub Copilot.  
  
**Responsibilities**

* Develop and implement techniques for applying generative AI to code in the context of GitHub Copilot, including LLM fine-tuning, RAG, and prompt engineering.
* Execute offline and online performance evaluation of new techniques.
* Lead collaborations within our team and with partner Teams across GitHub and Microsoft.
* Partner with engineering teams to productionize promising new techniques.

**Qualifications  
  
Required Qualifications:**

* Bachelor's Degree in Statistics, Computer Science, Electrical or Computer Engineering, Mathematics, or related field AND 7+ years related experience (e.g., machine learning, natural language processing)
  + OR Master's Degree in Statistics, Computer Science, Electrical or Computer Engineering, Mathematics,, or related field AND 3+ year(s) related experience (e.g., machine learning, natural language processing)
  + OR Statistics, Computer Science, Electrical or Computer Engineering, Mathematics,, or related field
* 4 years of experience coding in languages such as Python and relevant machine learning libraries and frameworks

**Preferred Qualifications:**These are more specific abilities we’re looking for, but it is the rare human who possesses them all. Think of this as a descriptive sketch, not a checklist of requirements. Be comfortable applying even if you don’t have all of them.

* Ph.D in computer science, machine learning, or a related field.
* Experience working with generative AI for code.
* Excellent analytical and problem-solving skills with a keen attention to detail
* Excellent written and verbal communication skills

**Compensation Range**The base salary range for this job is USD $118,100.00 - USD $313,300.00 /Yr.  
  
These pay ranges are intended to cover roles based across the United States. An individual's base pay depends on various factors including geographical location and review of experience, knowledge, skills, abilities of the applicant. At GitHub certain roles are eligible for benefits and additional rewards, including annual bonus and stock. These rewards are allocated based on individual impact in role. In addition, certain roles also have the opportunity to earn sales incentives based on revenue or utilization, depending on the terms of the plan and the employee's role.  
  
**GitHub values**

* Customer-obsessed
* Ship to learn
* Growth mindset
* Own the outcome
* Better together
* Diverse and inclusive

**Manager fundamentals**

* Model
* Coach
* Care

**Leadership principles**

* Create clarity
* Generate energy
* Deliver success

**Who We Are**GitHub is the world’s leading AI-powered developer platform with 100 million developers and counting. We’re also home to the biggest open-source community on earth (and 99% of the world’s software has open-source code in its DNA). Many of the apps and programs you use every day are built on GitHub.  
  
Our teams are dreamers, doers, and pioneers, leading the way in AI, driving humanitarian efforts around the globe, and even sending open source to Mars (and beyond!). At GitHub, our goal is to create the space you need to do your best work. We’re remote-first and offer competitive pay, generous learning and growth opportunities, and excellent benefits to support you, wherever you are—because we know that people flourish when they can work on their own terms.  
  
Join us, and let’s change the world, together.  
  
**EEO Statement**GitHub is made up of people from a wide variety of backgrounds and lifestyles. We embrace diversity and invite applications from people of all walks of life. We don't discriminate against employees or applicants based on gender identity or expression, sexual orientation, race, religion, age, national origin, citizenship, disability, pregnancy status, veteran status, or any other differences. Also, if you have a disability, please let us know if there's any way we can make the interview process better for you; we're happy to accommodate!

**Pay found in job post**

Retrieved from the description.

**Base salary**

$118,100/yr - $313,300/yr (from job description)