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Cyber Engineering 12 month Internship

National Crime Agency

Apply before 11:55 pm on Sunday 22nd February 2026



Reference number

447054

Salary

£36,057

Allowances are reviewed annually and may be increased, decreased or removed.

All salary offers will be made in line with Remuneration Policy.
Roles based in London will receive an additional London Weighting (Per Annum) of £4218

A Civil Service Pension with an employer contribution of 28.97%

Job grade

Executive Officer
NCA Grade 5, Constable

Contract type

Internship

Business area

NCA - Threat Leadership - National Cyber Crime Unit (NCCU)

Type of role

Analytical
Architecture and Data
Digital
Information Technology
Knowledge and Information Management

Working pattern

Flexible working, Full-time, Part-time

Number of jobs available

4

Contents

Location

About the job

Benefits

Things you need to know

Apply and further information

Location

Birmingham, London, Warrington

For roles based in London, your contractual place of work will be Stratford. While the Stratford site is expected to become operational from November 2025 – March 2026, you will be required to carry out your contractual duties from Vauxhall or another reasonable location on a temporary basis during the interim period.

Please note that, as Stratford will be your contractual place of work, any subsequent move from a temporary location will not entitle you to payments for travel time or costs under the Relocation and Excess Travel Policy.

About the job

Job summary

Join the National Cyber Crime Unit (NCCU) and bring your unique skills to lead the UK's fight against cybercrime!

No previous cyber experience is necessary, but you should be curious to find out more. We want to work with like-minded individuals who are inquisitive and are keen to drive work forward.

We are looking for people from a range of backgrounds and/or degree disciplines to spend a whole year working in the National Cyber Crime Unit (NCCU) in one of our Cyber Engineering teams.

This role would be suited to those looking for a year in industry in their degree, who have just finished their studies, or who are seeking to transition to a role within cyber.

We celebrate diversity and are committed to creating an inclusive environment. We welcome neurodivergent thinkers and offer reasonable adjustments to those who need them.

Depending upon your experience you will work as a:

Data Scientist;

Infrastructure Investigator;

Cyber Engineer Cloud Engineering;

Cyber Engineer Cryptocurrency;

Cyber Engineer Research & Development

Please be advised that the location for all Cyber Engineering roles will be our London office only, except for Cloud Engineering and Data Science, which can be Birmingham, Warrington, or London based.

Job description

A Data Scientist working within the NCCU will utilise technology to aid investigations, exploiting modern machine learning techniques with the best data science tools to cause real world impact against cyber criminals. They will collate and manipulate large datasets to create analytical products that inform NCA operational delivery and will play a key role in embedding the use of data science across the Agency. Our Data Science team make extensive use of Python; some awareness of AWS would be beneficial too.

A Cyber Engineer will work in one of the following teams depending on expertise: Cloud Engineering, Cryptocurrency Cell, or Research & Development. You will make a direct contribution to Operations through the use of technology. This will range from the development and deployment of capabilities covered under the Investigatory Powers Act, through to systems to analyse and exploit data at pace. Our Cloud Engineers work predominantly in AWS and Python. For Cryptocurrency, an awareness of Python and/or SQL would be beneficial in addition to cryptocurrency knowledge. For Research & Development, knowledge of different operating systems (mainly Linux) is essential and some knowledge of Python will be useful.

An Infrastructure Investigator utilises their knowledge and the available tools within the NCCU to analyse and identify criminally controlled infrastructure. Supporting operations through analytical products and the production of technical reports to highlight technical or legislative outcomes.

In addition to domain knowledge, some knowledge of Python, AWS, or ElasticSearch would be beneficial too.

The remit of Cyber Engineering is to research and develop tools to further NCCU operational and intelligence work and create bespoke solutions during Crime in action scenarios. Cyber Engineering works across the NCA and with a range of partners to develop this niche catalogue of capabilities. Depending upon your experience you will work as either a Data Scientist, Cyber Engineer, or Infrastructure Investigator.

A Data Scientist working within the NCCU will utilise technology to aid investigations, exploiting modern machine learning techniques with the best data science tools to cause real world impact against cyber criminals. They will collate and manipulate large datasets to create analytical products that inform NCA operational delivery and will play a key role in embedding the use of data science across the Agency.

A Cyber Engineer will work in one of the following teams depending on expertise: Software Development, Cryptocurrency Cell, or Research & Development. You will make a direct contribution to Operations through the use of technology. This will range from the development and deployment of capabilities covered under the Investigatory Powers Act, through to systems to analyse and exploit data at pace.

An Infrastructure Investigator utilises their knowledge and the available tools within the NCCU to analyse and identify criminally controlled infrastructure. Supporting operations through analytical products and the production of technical reports to highlight technical or legislative outcomes

Person specification

Duties & Responsibilities	Overview
Automation	Utilise custom tooling to identify trends, and develop opportunities for operational responses, automating the process wherever possible
Problem Solving	Tackle problems in an efficient manner, utilising innovative and/or automated approaches where appropriate

Case management	Role may require case management, and to create, maintain and update departmental records, including operational or programme activity spreadsheet, case files and monthly reports
Team working	Work closely with colleagues across all technical teams to build and deliver new tooling and/or approaches
Interpersonal skills	Build collaborative relationships both internally and externally. Be able to articulate technical concepts to non-technical colleagues
Emerging technologies	Implement novel approaches, making use of emerging technologies
Compliance	Ensure the quality, secure handling and dissemination of information, maintaining confidentiality, sensitivity and duty of care in line with NCA policy. Ensure oversight in data ethics standards and legislation frameworks, and uses these to review and improve existing processes.

Person Specification

Skills, Knowledge and Experience	Description
Good problem-solving skills	Problem solving skills, e.g. troubleshooting data problems
Confident communicators	Able to provide input and summarisation to technical and non-technical partners
Data analysis	Uses analytical skills, varied sources of information and different methodologies to support decision-making.
Information Management	A good understanding of information management & the handling of sensitive / confidential data.
Cyber awareness	Understanding of the impact of new technologies in creating opportunities for offenders.

Data science experience	Data science experience making use of machine learning approaches and techniques
Programming	Good programming experience (ideally Python) and the use of machine learning libraries
Keen collaborators	Able to seek new, and maintain existing, internal and external relationships

Behaviours

We'll assess you against these behaviours during the selection process:

Working Together

Technical skills

We'll assess you against these technical skills during the selection process:

Experience and knowledge of working with one or more of: Linux, cloud technologies such as AWS, data science, cryptocurrency, or internet infrastructure/networking (Lead criteria)

Demonstrate your awareness of the Cyber Security landscape, emerging technologies and the threat this poses to the UK

Experience and knowledge of Python programming

Benefits

Alongside your salary of £36,057, National Crime Agency contributes £10,445 towards you being a member of the Civil Service Defined Benefit Pension scheme. [Find out what benefits a Civil Service Pension provides.](#)

Learning and development tailored to your role

An environment with flexible working options

A culture encouraging inclusion and diversity

A Civil Service pension with an employer contribution of 28.97%

Things you need to know

Artificial intelligence

Artificial intelligence can be a useful tool to support your application, however, all examples and statements provided must be truthful, factually accurate and taken directly from your own experience. Where plagiarism has been identified (presenting the ideas and experiences of others, or generated by artificial intelligence, as your own) applications may be withdrawn and internal candidates may be subject to disciplinary action. Please see our [candidate guidance \(opens in a new window\)](#) for more information on appropriate and inappropriate use.

Selection process details

This vacancy is using [Success Profiles \(opens in a new window\)](#), and will assess your Behaviours and Technical skills.

Artificial Intelligence can be a useful tool to support your application, however, all examples and statements provided must be truthful, factually accurate and taken directly from your own experience. Where plagiarism has been identified (presenting the ideas and experiences of others, or generated by artificial intelligence, as your own) applications may be withdrawn and internal candidates may be subject to disciplinary action. Please see our [candidate guidance](#) for more information on appropriate and inappropriate use.

How we will assess you

Your application will be assessed against the following:

Technical - this will be assessed by 250 word examples on:

Experience/knowledge of working with one or more of: Linux, cloud technologies such as AWS, data science, cryptocurrency, or internet infrastructure/networking (Lead criteria)

Demonstrate your awareness of the Cyber Security landscape, emerging technologies and the threat this poses to the UK

Experience/knowledge of Python programming

Experience - This will be assessed:

Experience Criteria - will be assessed by 250 word examples on:

Please state which team you wish to apply for (this question is not assessed)

A panel will assess how well your application demonstrates the requirements outlined above.

Longlist

In the event of a high number of applications, we may operate a longlist. Applicants will need to meet the minimum pass mark for the lead criteria.

- · Experience/knowledge of working with one or more of: Linux, cloud technologies such as AWS, data science, cryptocurrency, or internet infrastructure/networking (Lead criteria) .

Candidates who do not meet the minimum pass mark for the lead criteria will not progress to having their other criteria assessed. Applications must meet the minimum criteria to be progressed to the assessment stage.

You will receive an acknowledgement once your application is submitted.

We aim to have sift completed and scores released within 10 working days of the closing date of the advert. For high volume campaigns this timeframe may be extended.

Scores will be provided but further feedback will not be available at this stage.

For guidance on the application process, visit:

[NCA Applying and Onboarding](#)

Assessment 1

The format of this assessment will be Interview which will be tested on the criteria listed in the **Success Profiles at Assessment** section.

Success Profiles at Assessment

Behaviours

Working Together

Technical

- Experience/knowledge of working with one or more of: Linux, cloud technologies such as AWS, data science, cryptocurrency, or internet infrastructure/networking (Lead criteria)
- Demonstrate your awareness of the Cyber Security landscape, emerging technologies and the threat this poses to the UK

Experience/knowledge of Python programming

Assessment Outcome

Outcomes will be communicated via the NCA recruitment portal.

If successful but no role is immediately available, you may be placed on a reserve list for 12 months.

Reserve lists can be used to fill similar role types across the Agency where the assessment criteria is considered a match by the recruitment team and the business area.

In the event of a tie at the assessment stage, available roles will be offered in merit order using the following order:

1. Lead criteria (behaviours/technical/experience)
2. If still tied, desirable criteria will be assessed (if advertised)
3. If still tied, application sift scores will be used

Feedback is provided only to those who attend an assessment.

You will be subject to vetting and pre-employment checks before appointment.

Once the vacancy closes, the advert will no longer be accessible. Please save a copy for your records.

We encourage all candidates to visit the [NCA Careers Page](#) for more information.

Vetting requirements - SC Enhanced

Prior to commencing the role, you will need to successfully complete SC Enhanced clearance.

The requirement for SC clearance is to have been present in the UK for at least 3 of the last 5 years.

Failure to meet the residency requirements will result in your security clearance application being rejected.

For further information on National Security Vetting checks please visit the following page [Demystifying Vetting](#)

Individuals will be required to undertake and pass a substance misuse test as part of pre-employment checks.

Occupational Health

Successful candidates will be expected to undertake an occupational health assessment. Depending on the role an in-person medical may be required in either London or Warrington. Unfortunately, travel costs will not be reimbursed.

Things you need to know

Near Miss

If you meet the criteria for a lower grade, you may be offered that role if not appointable at the advertised grade.

Conversely, if found appointable at a higher grade but no posts are available, you may be offered a lower-grade role.

All offers are made based on merit.

Hybrid Working

The NCA supports hybrid working. The extent of remote working will depend on the role and can be discussed at the offer stage.

Reasonable Adjustments

We're proud to be a Disability Confident Leader and an inclusive, equal opportunities employer.

We're committed to creating a workplace where everyone can be their authentic self. If you're neurodiverse, have a disability, or live with a long-term health condition, we encourage you to let us know about any reasonable adjustments you may need during the recruitment process.

If you experience accessibility issues with the advert or require reasonable adjustments, please contact our Recruitment Team at Central.Recruitment@nca.gov.uk before the advert closing date.

Please ensure you complete the 'Equal opportunities' and 'Reasonable Adjustments' sections in the application form to inform us on what support you may need in the recruitment process.

For more on our Disability Confident commitment, visit [Disability Confident Scheme , Civil Service Careers](#).

Visit [NCA Benefits and Support](#) for more details.

Feedback will only be provided if you attend an interview or assessment.

Security

Successful candidates must meet the security requirements before they can be appointed. The level of security needed is [security check \(opens in a new window\)](#).

[See our vetting charter \(opens in a new window\)](#).

People working with government assets must complete [baseline personnel security standard \(opens in new window\)](#) checks.

Nationality requirements

This job is broadly open to the following groups:

- UK nationals

- nationals of the Republic of Ireland

- nationals of Commonwealth countries who have the right to work in the UK

- nationals of the EU, Switzerland, Norway, Iceland or Liechtenstein and family members of those nationalities with settled or pre-settled status under the [European Union Settlement Scheme \(EUSS\) \(opens in a new window\)](#)

- nationals of the EU, Switzerland, Norway, Iceland or Liechtenstein and family members of those nationalities who have made a valid application for settled or pre-settled status under the European Union Settlement Scheme (EUSS)

- individuals with limited leave to remain or indefinite leave to remain who were eligible to apply for EUSS on or before 31 December 2020

- Turkish nationals, and certain family members of Turkish nationals, who have accrued the right to work in the Civil Service

[Further information on nationality requirements \(opens in a new window\)](#)

Working for the Civil Service

The [Civil Service Code \(opens in a new window\)](#) sets out the standards of behaviour expected of civil servants.

We recruit by merit on the basis of fair and open competition, as outlined in the Civil Service Commission's [recruitment principles \(opens in a new window\)](#).

The Civil Service embraces diversity and promotes equal opportunities. As such, we run a Disability Confident Scheme (DCS) for candidates with disabilities who meet the minimum selection criteria.

The Civil Service also offers a Redeployment Interview Scheme to civil servants who are at risk of redundancy, and who meet the minimum requirements for the advertised vacancy.

Diversity and Inclusion

The Civil Service is committed to attract, retain and invest in talent wherever it is found. To learn more please see the [Civil Service People Plan \(opens in a new window\)](#) and the [Civil Service Diversity and Inclusion Strategy \(opens in a new window\)](#).

Apply and further information

This vacancy is part of the [Great Place to Work for Veterans \(opens in a new window\)](#) initiative.

Once this job has closed, the job advert will no longer be available. You may want to save a copy for your records.

Contact point for applicants

Job contact :

Name : Non-Perm Team

Email : nonpermcheck@nca.gov.uk

Recruitment team

Email : nonpermcheck@nca.gov.uk

Further information

If you believe your application has not been treated fairly, email:
nonpermcheck@nca.gov.uk (quoting the vacancy reference).
If unresolved, you may escalate your complaint to the Civil Service
Commission.

