

Informatics Students

Research on the security mindset of informatics students.

There are 43 questions in this survey.

Purpose

The purpose of this research project is to learn how computer science students interact with security topics in their studies and daily lives. The results of this research will help educators better understand the starting knowledge and needs of incoming students, not just security students. It will also help us better understand potential sources of attitudes and behaviours observed in professional software developers.

What will I be asked to do?

This survey will take approximately 25 minutes to complete. It will ask you multiple choice questions about different security-related concepts such as your attitudes towards security technologies as well as your awareness of different tools, technologies, and concepts. It will also ask you basic demographic information such as your age and education. Personally identifying information will not be collected.

Voluntary

Your participation in this survey is purely voluntary. At the end of the survey you will be asked to allow us to use your data for education and research purposes. You will have the option of selecting 'no' at that point and if you do so we will not share your survey answers as requested. If you select 'no' to both questions we will delete your data.

How will my data be used?

Your data will be used for two purposes. First, to provide data for the Usable Privacy and Security course so they can learn about survey design and analysis. If you consent to this, the

information you provide in the survey will be given to the course students. Second, If you consent to this, we will use your data for research about how students understand and manage security concepts both as end-users and as future software developers.

Compensation

You will receive no compensation for completing this survey other than the knowledge you have benefited the Usable Security and Privacy course students and society more broadly. All participation is anonymous and we have no way of connecting responses to individual survey participants, therefore no compensation through credits or other means is possible.

Who is running the research?

This is a research project being conducted by Dr. Kami Vaniea and Mohammad Tahaei at the University of Edinburgh. If you have any questions about the research study, please contact Dr. Kami Vaniea at kami.vaniea@ed.ac.uk or Mohammad Tahaei at mohammad.tahaei@ed.ac.uk. If you have any concerns about your treatment or right as a research subject, you may contact the School Ethics Panel by e-mail to infkm+ethics@inf.ed.ac.uk. This research complies with the Informatics School ethics procedures for research involving human subjects.

Clicking on the "agree" button below indicates that:

- you have read the above information
- you voluntarily agree to participate
- you are at least 18 years of age
- you are a student at the University of Edinburgh

If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button or leaving the page.

*

Please choose **only one** of the following:

☐ Agree

☐ Disagree

For each of the following statements, how strongly do you agree or disagree? *

Please choose the appropriate response for each item:

	Strongly Disagree	Somewhat Disagree	Somewhat Agree	Strongly Agree
Consumers have lost all control over how personal information is collected and used by companies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Most businesses handle the personal information they collect about consumers in a proper and confidential way	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Existing laws and organizational practices provide a reasonable level of protection for consumer privacy today	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*

Please choose the appropriate response for each item:

	Never	Rarely	Sometimes	Often	Always
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I set my computer screen to automatically lock if I don't use it for a prolonged period of time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I use a password/passcode to unlock my laptop or tablet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I manually lock my computer screen when I step away from it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I use a PIN or passcode to unlock my mobile phone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not change my passwords, unless I have to	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I use different passwords for different accounts that I have	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I create a new online account, I try to use a password that goes beyond the site's minimum requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not include special characters in my password if it's not required	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When someone sends me a link, I open it without first verifying where it goes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Please select "always"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

for this question					
I know what website I'm visiting based on its look and feel, rather than by looking at the URL bar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I submit information to websites without first verifying that it will be sent securely (e.g., SSL, "https://", a lock icon)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When browsing websites, I mouseover links to see where they go, before clicking them	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If I discover a security problem, I continue what I was doing because I assume someone else will fix it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I'm prompted about a software update, I install it right away	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I try to make sure that the programs I use are up-to-date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I verify that my anti-virus software has been regularly updating itself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please indicate whether you agree or disagree with the following statements. *

Please choose the appropriate response for each item:

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
A virus steals personal and/or financial information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using an Apple computer means you can't get a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clicking on advertisements will give you a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Merely visiting the wrong webpages will give you a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A virus kicks me out of applications that are running	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A virus erases important files on the computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You can't get a virus if you never download things from the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A virus causes computers to crash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The only way to get a virus is by downloading something	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Watching pornography on the Internet will give you a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Strange emails will give you a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
You can't get a virus if you keep your antivirus software up to date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Downloads from the Internet will give you a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not paying attention to cookies can result in getting a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blocking popups makes it very difficult to get a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A virus causes annoying problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being aware of what websites I go to will help me avoid getting a virus	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antivirus software always detects viruses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How often do you do the following security precautions to avoid getting a virus? *

Please choose the appropriate response for each item:

	Never	Rarely	Sometimes	Often	Always
Use antivirus software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use security software such as firewall	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be aware of what websites you visit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regularly scan the computer with anti virus software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check antivirus software to make sure it is up to date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoid clicking on email attachments from people you do not know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Block popups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoid downloading anything without knowing what exactly is being downloaded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please indicate whether you agree or disagree with the following statements. *

Please choose the appropriate response for each item:

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	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
Hackers target home computer users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers are mischievous	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A hacker makes a record of everything on the computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers target banks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A hacker watches what you are doing on your computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers work with other criminals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers are members of organized crime	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers target the upper class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Please select "disagree" for this question	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers are professional criminals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A hacker breaks stuff on the computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers target large databases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers target rich and important people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

A hacker installs monitoring software on the computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A hacker intentionally puts viruses on the computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers target large businesses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hackers have no morals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How often do you do the following security precautions to avoid being hacked? *

Please choose the appropriate response for each item:

	Never	Rarely	Sometimes	Often	Always
Disable scripting on websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Update patches regularly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disable scripting on emails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Back up your information on an external harddrive, network, or server	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be careful downloading software from the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use some preexisting security software such as firewall	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Always sign out of accounts when you are done with that website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoid clicking on attachments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scan your computer regularly with antivirus software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use good passwords (good passwords include uppercase and lowercase letters, numbers, and symbols)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you know anything about adversarial behaviours?

Examples include adversarial tradecraft and threat agents, attacker models and attack trees and the economics and mechanisms behind malicious business.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about digital forensics?

Examples include the various kinds of digital evidence and artefacts as well as the evidence gathering process and anti-forensic techniques.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about malware or attack technology?

Examples include the various kinds of malware and viruses, malware analysis and techniques for removing malicious software from systems.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about security operations or incident management?

Examples include organisational security policies, incident analysis, security monitoring and threat intelligence.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about the human factors of cybersecurity?

Examples include usable security, how users interact with security systems, the human aspects of data collection, as well as ethics, security education and culture.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about the legal or regulatory aspects of cybersecurity?

Examples include the relevant legislation and statutory and regulatory requirements, as well as the legal aspects of cybercrime and issues involving cooperation across borders for legal purposes.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about privacy or online rights?

Examples include privacy enhancing technology, data privacy techniques (including differential privacy) and transparency, the mechanisms for abuse prevention and covert communication (such as steganography).

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about cyber risk management or governance?

Examples include threat, risk and impact assessments, asset audits, security management standards (such as the ISO 27000 series), as well as board- level cybersecurity.

*

Please choose **only one** of the following:

- ☐ Yes
- ☐ No

Do you know anything about the security of cyber-physical systems?

Examples include SCADA, IoT, automotive or industrial control systems as well as the various attacks to and defences for these kinds of systems and the protocols they use to communicate.

*

Please choose **only one** of the following:

- ☐ Yes
- ☐ No

Do you know anything about hardware security?

Examples include Trusted Platform Modules (TPMs) and secure boot, as well as hardware roots of trust, hardware design and security architectures as well as hardware attacks (such as side-channels), hardware defenses, and hardware accelerated cryptography.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about network security?

Examples include network defence tools such as intrusion detection, packet filters and firewalls; network vulnerabilities and threats, and network technologies such as routing protocols, IP networks, wireless and wired networks.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about physical-layer or telephony security?

Examples include signalling and telephone protocols, telecommunications security, and attacks which rely upon the emanations from physical media (such as TEMPEST).

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about the secure software development lifecycle?

Examples include code reviews, patch management, devops, development processes, fuzzing, static and dynamic analysis tools, the use of formal methods for security as well as attack modelling and developer training.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about software security?

Examples include software and memory management attacks, CVEs and CWEs, structured input attacks (such as SQL injection), security API design, coding guidelines, techniques for mitigating exploits (such as address space layout randomisation or sandboxing), as well as techniques for finding vulnerabilities.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about web or mobile security?

Examples include Javascript security models, browser based attacks such as cross site scripting, firewalls, authentication protocols and phishing and app isolation and deployment mechanisms.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about authentication, authorisation or accountability?

Examples include access control models, policies, public key infrastructure, multi-factor authentication, biometrics and logging techniques.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about cryptography?

Examples include various encryption schemes such as RSA, AES, RC4, as well as game theoretic models for security, digital signatures and zero- knowledge proofs.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about distributed systems security?

Examples include security considerations in middleware architectures, distributed protocols such as LDAP, NTP, byzantine agreements, blockchains, cloud architectures, peer-to-peer networks and trust management.

*

Please choose **only one** of the following:

☐ Yes

☐ No

Do you know anything about operating systems or virtualisation?

Examples include database security, VM architectures and attacks, OS protection mechanisms such as address space layout randomisation, access control, and paging, as well as information flow models and the trusted computing base.

*

Please choose **only one** of the following:

☐ Yes

☐ No

How often do you do the following activities online (on any device, e.g. desktop, tablet, mobile)? *

Please choose the appropriate response for each item:

	Never	Once a Month or Less	2-3 Times a Month	Once a Week	2-3 Times a Week	Daily	Multiple Times a Day
Email	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Media (e.g. Facebook, Twitter)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read news	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Audio/Video conference	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instant Message	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stream audio or video (e.g. Hulu, Netflix, Pandora)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Play games	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

On a typical day, how many hours do you spend online? *

Please choose **only one** of the following:

- ☐ Fewer than 2 hours
☐ 2-4 hours
☐ 5-7 hours
☐ 8-10 hours
☐ More than 10 hours

Please indicate whether you agree or disagree with the following statements. *

Please choose the appropriate response for each item:

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
I feel confident trouble shooting Internet problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident using the Internet to gather data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident learning advanced skills within a specific Internet program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident describing functions of Internet hardware	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident turning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

to an online discussion group when help is needed					
I feel confident understanding terms/words relating to Internet hardware	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident explaining why a task will not run on the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident understanding terms/words relating to Internet software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following best describes you? *

Please choose **only one** of the following:

- ☐ UG1/UG2 student
- ☐ UG3 student
- ☐ UG4 student
- ☐ UG5/MInf student
- ☐ MSc (Masters) student
- ☐ PhD student
- ☐ Other

Have you ever worked in a "high tech" job such as computer programming, IT, or computer networking? *

Please choose **only one** of the following:

- ☐ Yes
- ☐ No

Do you have any industrial experience of cybersecurity or a related discipline; for example as a security engineer? *

Please choose **only one** of the following:

- ☐ None
- ☐ 0-3 years
- ☐ 3+ years

Where did you get your high school diploma? *

Please choose **only one** of the following:

- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola
- ☐ Antigua & Deps
- ☐ Argentina
- ☐ Armenia
- ☐ Australia
- ☐ Austria

- ☐ Azerbaijan
- ☐ Bahamas
- ☐ Bahrain
- ☐ Bangladesh
- ☐ Barbados
- ☐ Belarus
- ☐ Belgium
- ☐ Belize
- ☐ Benin
- ☐ Bhutan
- ☐ Bolivia
- ☐ Bosnia Herzegovina
- ☐ Botswana
- ☐ Brazil
- ☐ Brunei
- ☐ Bulgaria
- ☐ Burkina
- ☐ Burundi
- ☐ Cambodia
- ☐ Cameroon
- ☐ Canada
- ☐ Cape Verde
- ☐ Central African Rep
- ☐ Chad
- ☐ Chile
- ☐ China
- ☐ Colombia
- ☐ Comoros
- ☐ Congo
- ☐ Congo {Democratic Rep}

- ☐ Costa Rica
- ☐ Croatia
- ☐ Cuba
- ☐ Cyprus
- ☐ Czech Republic
- ☐ Denmark
- ☐ Djibouti
- ☐ Dominica
- ☐ Dominican Republic
- ☐ East Timor
- ☐ Ecuador
- ☐ Egypt
- ☐ El Salvador
- ☐ Equatorial Guinea
- ☐ Eritrea
- ☐ Estonia
- ☐ Ethiopia
- ☐ Fiji
- ☐ Finland
- ☐ France
- ☐ Gabon
- ☐ Gambia
- ☐ Georgia
- ☐ Germany
- ☐ Ghana
- ☐ Greece
- ☐ Grenada
- ☐ Guatemala
- ☐ Guinea
- ☐ Guinea-Bissau

- ☐ Guyana
- ☐ Haiti
- ☐ Honduras
- ☐ Hungary
- ☐ Iceland
- ☐ India
- ☐ Indonesia
- ☐ Iran
- ☐ Iraq
- ☐ Ireland {Republic}
- ☐ Israel
- ☐ Italy
- ☐ Ivory Coast
- ☐ Jamaica
- ☐ Japan
- ☐ Jordan
- ☐ Kazakhstan
- ☐ Kenya
- ☐ Kiribati
- ☐ Korea North
- ☐ Korea South
- ☐ Kosovo
- ☐ Kuwait
- ☐ Kyrgyzstan
- ☐ Laos
- ☐ Latvia
- ☐ Lebanon
- ☐ Lesotho
- ☐ Liberia
- ☐ Libya

- ☐ Liechtenstein
- ☐ Lithuania
- ☐ Luxembourg
- ☐ Macedonia
- ☐ Madagascar
- ☐ Malawi
- ☐ Malaysia
- ☐ Maldives
- ☐ Mali
- ☐ Malta
- ☐ Marshall Islands
- ☐ Mauritania
- ☐ Mauritius
- ☐ Mexico
- ☐ Micronesia
- ☐ Moldova
- ☐ Monaco
- ☐ Mongolia
- ☐ Montenegro
- ☐ Morocco
- ☐ Mozambique
- ☐ Myanmar, {Burma}
- ☐ Namibia
- ☐ Nauru
- ☐ Nepal
- ☐ Netherlands
- ☐ New Zealand
- ☐ Nicaragua
- ☐ Niger
- ☐ Nigeria

- ☐ Norway
- ☐ Oman
- ☐ Pakistan
- ☐ Palau
- ☐ Panama
- ☐ Papua New Guinea
- ☐ Paraguay
- ☐ Peru
- ☐ Philippines
- ☐ Poland
- ☐ Portugal
- ☐ Qatar
- ☐ Romania
- ☐ Russian Federation
- ☐ Rwanda
- ☐ St Kitts & Nevis
- ☐ St Lucia
- ☐ Saint Vincent & the Grenadines
- ☐ Samoa
- ☐ San Marino
- ☐ Sao Tome & Principe
- ☐ Saudi Arabia
- ☐ Senegal
- ☐ Serbia
- ☐ Seychelles
- ☐ Sierra Leone
- ☐ Singapore
- ☐ Slovakia
- ☐ Slovenia
- ☐ Solomon Islands

- ☐ Somalia
- ☐ South Africa
- ☐ South Sudan
- ☐ Spain
- ☐ Sri Lanka
- ☐ Sudan
- ☐ Suriname
- ☐ Swaziland
- ☐ Sweden
- ☐ Switzerland
- ☐ Syria
- ☐ Taiwan
- ☐ Tajikistan
- ☐ Tanzania
- ☐ Thailand
- ☐ Togo
- ☐ Tonga
- ☐ Trinidad & Tobago
- ☐ Tunisia
- ☐ Turkey
- ☐ Turkmenistan
- ☐ Tuvalu
- ☐ Uganda
- ☐ Ukraine
- ☐ United Arab Emirates
- ☐ United Kingdom
- ☐ United States
- ☐ Uruguay
- ☐ Uzbekistan
- ☐ Vanuatu

☐ Vatican City☐ Venezuela☐ Vietnam☐ Yemen☐ Zambia☐ Zimbabwe☐ Other (specify)

If you are a postgraduate student, where did you do your undergraduate studies?

Please choose **only one** of the following:

☐ Afghanistan☐ Albania☐ Algeria☐ Andorra☐ Angola☐ Antigua & Deps☐ Argentina☐ Armenia☐ Australia☐ Austria☐ Azerbaijan☐ Bahamas☐ Bahrain☐ Bangladesh☐ Barbados☐ Belarus☐ Belgium

- ☐ Belize
- ☐ Benin
- ☐ Bhutan
- ☐ Bolivia
- ☐ Bosnia Herzegovina
- ☐ Botswana
- ☐ Brazil
- ☐ Brunei
- ☐ Bulgaria
- ☐ Burkina
- ☐ Burundi
- ☐ Cambodia
- ☐ Cameroon
- ☐ Canada
- ☐ Cape Verde
- ☐ Central African Rep
- ☐ Chad
- ☐ Chile
- ☐ China
- ☐ Colombia
- ☐ Comoros
- ☐ Congo
- ☐ Congo {Democratic Rep}
- ☐ Costa Rica
- ☐ Croatia
- ☐ Cuba
- ☐ Cyprus
- ☐ Czech Republic
- ☐ Denmark
- ☐ Djibouti

- ☐ Dominica
- ☐ Dominican Republic
- ☐ East Timor
- ☐ Ecuador
- ☐ Egypt
- ☐ El Salvador
- ☐ Equatorial Guinea
- ☐ Eritrea
- ☐ Estonia
- ☐ Ethiopia
- ☐ Fiji
- ☐ Finland
- ☐ France
- ☐ Gabon
- ☐ Gambia
- ☐ Georgia
- ☐ Germany
- ☐ Ghana
- ☐ Greece
- ☐ Grenada
- ☐ Guatemala
- ☐ Guinea
- ☐ Guinea-Bissau
- ☐ Guyana
- ☐ Haiti
- ☐ Honduras
- ☐ Hungary
- ☐ Iceland
- ☐ India
- ☐ Indonesia

- ☐ Iran
- ☐ Iraq
- ☐ Ireland {Republic}
- ☐ Israel
- ☐ Italy
- ☐ Ivory Coast
- ☐ Jamaica
- ☐ Japan
- ☐ Jordan
- ☐ Kazakhstan
- ☐ Kenya
- ☐ Kiribati
- ☐ Korea North
- ☐ Korea South
- ☐ Kosovo
- ☐ Kuwait
- ☐ Kyrgyzstan
- ☐ Laos
- ☐ Latvia
- ☐ Lebanon
- ☐ Lesotho
- ☐ Liberia
- ☐ Libya
- ☐ Liechtenstein
- ☐ Lithuania
- ☐ Luxembourg
- ☐ Macedonia
- ☐ Madagascar
- ☐ Malawi
- ☐ Malaysia

- ☐ Maldives
- ☐ Mali
- ☐ Malta
- ☐ Marshall Islands
- ☐ Mauritania
- ☐ Mauritius
- ☐ Mexico
- ☐ Micronesia
- ☐ Moldova
- ☐ Monaco
- ☐ Mongolia
- ☐ Montenegro
- ☐ Morocco
- ☐ Mozambique
- ☐ Myanmar, {Burma}
- ☐ Namibia
- ☐ Nauru
- ☐ Nepal
- ☐ Netherlands
- ☐ New Zealand
- ☐ Nicaragua
- ☐ Niger
- ☐ Nigeria
- ☐ Norway
- ☐ Oman
- ☐ Pakistan
- ☐ Palau
- ☐ Panama
- ☐ Papua New Guinea
- ☐ Paraguay

- ☐ Peru
- ☐ Philippines
- ☐ Poland
- ☐ Portugal
- ☐ Qatar
- ☐ Romania
- ☐ Russian Federation
- ☐ Rwanda
- ☐ St Kitts & Nevis
- ☐ St Lucia
- ☐ Saint Vincent & the Grenadines
- ☐ Samoa
- ☐ San Marino
- ☐ Sao Tome & Principe
- ☐ Saudi Arabia
- ☐ Senegal
- ☐ Serbia
- ☐ Seychelles
- ☐ Sierra Leone
- ☐ Singapore
- ☐ Slovakia
- ☐ Slovenia
- ☐ Solomon Islands
- ☐ Somalia
- ☐ South Africa
- ☐ South Sudan
- ☐ Spain
- ☐ Sri Lanka
- ☐ Sudan
- ☐ Suriname

- ☐ Swaziland
- ☐ Sweden
- ☐ Switzerland
- ☐ Syria
- ☐ Taiwan
- ☐ Tajikistan
- ☐ Tanzania
- ☐ Thailand
- ☐ Togo
- ☐ Tonga
- ☐ Trinidad & Tobago
- ☐ Tunisia
- ☐ Turkey
- ☐ Turkmenistan
- ☐ Tuvalu
- ☐ Uganda
- ☐ Ukraine
- ☐ United Arab Emirates
- ☐ United Kingdom
- ☐ United States
- ☐ Uruguay
- ☐ Uzbekistan
- ☐ Vanuatu
- ☐ Vatican City
- ☐ Venezuela
- ☐ Vietnam
- ☐ Yemen
- ☐ Zambia
- ☐ Zimbabwe

☐ Other (specify)

Please rate your ability in English. *

Please choose **only one** of the following:

- ☐ Native speaker
- ☐ Fluent
- ☐ Intermediate
- ☐ Moderate
- ☐ Minimal

Which subject areas below have you covered in previous courses here or at any other university? (please do not include courses you are taking now) *

Please choose **all** that apply:

- ☐ Computer Security (Information Security)
- ☐ Networking and Communication (Computer Networks)
- ☐ Operating Systems
- ☐ Usable Security and Privacy
- ☐ Software Engineering
- ☐ Social Issues and Professional Practice
- ☐ Human-Computer Interaction
- ☐ Cryptography
- ☐ Secure Programming
- ☐ Blockchains and Distributed Ledgers
- ☐ Ethics
- ☐ Cybercrime and Cyber Security
- ☐ IoT Systems, Security, and the Cloud
- ☐ Software Testing
- ☐ Software Architecture, Process, and Management
- ☐ Distributed Systems
- ☐ None of above
- ☐ Please add any other security and privacy related courses/trainings that are not in the list

above:

Which of the following courses are you currently enrolled in? *

Please choose **all** that apply:

- ☐ Software Development
- ☐ Introduction to Modern Cryptography
- ☐ Internet of Things Systems, Security, and the Cloud (IoTSSC)
- ☐ Secure Programming
- ☐ Software Architecture, Process, and Management
- ☐ Usable Security and Privacy
- ☐ Operating Systems
- ☐ Software Testing
- ☐ Computer Security
- ☐ None of above

Do you have any security certificates such as Security+, Certified Ethical Hacker, CCNA Security, etc.? *

Please choose **only one** of the following:

☐ No

☐ Yes, please specify

What is your age? *

❗ Your answer must be between 10 and 90

Please write your answer here:

What is your gender?

*

Please choose **only one** of the following:

- ☐ Female
- ☐ Male
- ☐ Non-binary
- ☐ Prefer not to answer

☐ Prefer to self-describe

Use my answers in the Usable Security and Privacy course.

The Usable Security and Privacy course will use the information in this survey to learn about survey design and analysis. If you answer "yes" to this question, we will include your fully anonymised answers in the data set we provide to the students. Having data from many different people will greatly help students in the course with their learning.

*

Please choose **only one** of the following:

- ☐ Yes - use my answers in the USEC course
- ☐ No - do not use my answers in the USEC course

Use my answers for research.

If you indicate "yes", we will use your fully anonymised answers in academic research to better understand how students in different courses think about security and use it in their daily lives. This research may impact educators in how we design courses to better support the needs of students as well as impact the types of post-university education employers may want to make available. *

Please choose **only one** of the following:

- ☐ Yes - use my answers for academic research
- ☐ No - do not use my answers for academic research

Any comments or thoughts you would like to share with us?
(These will not be shared with the USec course.)

Please write your answer here:

Thank you for taking the time to complete this survey. We truly value the information you have provided.

17.02.2019 – 16:22

Submit your survey.

Thank you for completing this survey.