Nexa Technologies CZ

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Company presentation



Help governments to effectively fight against terrorism, hostage situations or any cyber threats.



Our expertise

Big data analytics & data management Communication Intelligence Protocol reverse engineering Forensics & Security



Our products

Intelligence and interception systems that, no matter the transmission technology, capture, analyse and record.



Brno

2015

Paris

2012

30

year of Nexa Technologies company creation



employees, research and development

company creation

year of Nexa Technologies CZ

employees, mostly engineers



Brno office

Located in this building (room S407)

Development and Applied research

- network security
- machine learning
- cryptography

Internships: 3-9 months, flexible working hours (exams, ...)

Theses





Detecting user actions from encrypted traffic using machine learning





Project ranging from research to deployment

- Deploy research project was a useful experience for my PhD studies
- Freedom to choose the direction of the project
- Time to learn new stuff

Freedom and flexibility

• Option to go for a lecture from the office

Friendly and helpful collective

- Supervision taught me a lot about research and sysadmin tasks
- New friends

Štěpánka Gennertová

Work experience

- Field of my study
- Small team in one office
- Working on different tasks
- Learning new things on everyday basis
- Having supervisor
- Friendly atmosphere

Freedom and flexibility

• Office in this building, flexible working hours

Theses

Open Thesis Topics

- User action / event detection from encrypted traffic
- Categorizing the Dark Web
- Darknet and cryptocurrencies
- Correlation and inference of information from social media (OSINT)
- Library implementation
- Device fingerprinting
- 5G / VoLTE, Wi-Fi calling





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Blockchain analysis Dark market analysis (monthly volume of transactions)

Category	listings	feedbacks	revenue in euros	average price in euros	market share
Cannabis	5139	1883	135693	72	27.6 %
Stimulants	3493	1043	108157	103	22 %
Opiates	1662	489	83135	170	16.9 %
Pharmacy	2294	1104	62054	56	12.6 %
Body building	679	402	31466	78	6.4 %
Empathogens	2988	394	20344	51	4.1 %
Other drugs	774	173	14350	82	2.9 %
Psychedelics	1377	198	11796	59	2.4 %
Other products	782	89	9106	102	1.8 %
Self-defence	513	4	4635	1158	0.9 %
Services	1662	35	4061	116	0.8 %
Dissociatives	290	38	2317	60	0.5 %
Classifieds	649	18	2182	121	0.4 %