Kamila Babayeva

I am a Computer Science student, currently interested in RATs, Python, JavaScript and Node.js. I explore and learn every day.

Nationality	**Kazakhstan**
Location	**Czech Republic**
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Education

Oct 2018 - June 2021	**Bachelor in Computer Science and Electrical Engineering, Czech Technical University in Prague (CTU), Faculty of Electrical Engineering(FEE)**. Current GPA 3.71 (out of 4.0)
Sept 2007 - June 2018	High School Gorky gymnasium. Intensive studies in English and Mathematics. GPA 5.0 (out of 5.0)

Work [part-time]

Jul 2020- present	• Researcher in CivilSphere project ○ Execution of 8 Android Remote Access Trojans (RATs), network traffic analysis of executed Android RATs, proposing a detection based on their behaviors.
Jul 2019- present	• Main Developer of Stratosphere Linux IPS ○ Maintenance the Slips code and Kalipso code, implementation of new detection modules and features.
Feb 2019 - Jul 2019	• Malware Reverser in CivilSphere project ○ Analysis of Machete APT malware and its actions.

Internship

Jul 2019 - Oct 2019	At Stratosphere IPS. The creation of a terminal-based interface, called Kalipso (Kalipso blog) for the Stratosphere Linux intrusion prevention system. Gained skills: JavaScript language, Node.js developing, work with Redis database.

Conferences and publications

May 2021	Black Hat Asia 2021	Will present "Slips: A Machine-Learning Based, Free-Software, Network Intrusion Prevention System" in the Black Hat Asia Arsenal. Link for the outline of the talk is here.
Nov 2020	Hack In The Box	Presented the talk "Android RATs Detection with a Machine Learning-based Python IDS". Link for the video of the talk is here.
Nov 2020	DeepSec	Accepted to the program Under21. Presented the talk "Protecting Mobile Devices from Malware Attacks with a Python IDS". Link for the outline of the talk is here.
Nov 2019	OpenAlt	Presented the talk "Fantastic Attacks and How Kalipso can find them". Link for the video of the talk is here.
Oct 2019	OWASP Czech Chapter meeting	Presented the talk "Fantastic Attacks and How Kalipso can find them ".

Oct 2019	Virus Bulletin	A paper "A study of Machete cyber-espionage operations in Latin America". Link for the outline of the talk is [here](#).
Feb 2019	OWASP Czech Chapter meeting	Presented the talk "We Know Where You Are: How Most Mobile Applications Jeopardize Your Security".

Academic scholarships and awards

2020	Holder of the Stanislav Hanzl Prize among the students in the Faculty of Electrical Engineering in CTU.
2019 - 2020	Holder of the Stratosphere IPS scholarship for CTU Students
2019	Holder of the scholarship Grace Hopper Celebration of Women in Computing. Spent 5 days at Grace Hopper Celebration Conference in Orlando, USA.
2019	International entrance scholarship for the first year Bachelor at FEE, CTU.
2018	Valedictorian of the class at Gorky gymnasium, Kostanay. High school diploma with distinction.
2017	Holder of the scholarship Sakura Exchange Program in Science. Spent 10 days at the Science Conference in Tokyo, Japan.
2015 - 2018	Winner of the city and region olympiads in English and in Mathematics for high school students, winner of the first stage of the republican olympiad in Natural Science and Mathematics among the senior students in Kazakhstan.

Skills

Languages	Python, JavaScript	Native Speaker	Russian
OS	Linux	Fluent	English
		Intermediate	Kazakh, Czech

Interests

Dancing	Have been dancing for 10 years in a professional dance school, currently continuing as a hobby.
Swimming	Taking lessons for beginners to learn how to swim.
Soldering	Learned how to solder in Chaos Communication Congress (CCC), currently continuing as a hobby.