Felipe S. **Oliveira**

SOFTWARE ENGINEEER · SECURITY ANALYST

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Education

State University of Campinas	*Campinas, Brazil*
HON. B.S. IN COMPUTER SCIENCE	*Jan. 2011 - Dec. 2016*

University of Toronto	*Toronto, Canada*
VISITING STUDENT	*Jan. 2014 - Dec. 2014*

Experience

SIDI (Samsung Institute for the Development of Informatics)	*Campinas, Brazil*
SOFTWARE SECURITY ANALYST	*May 2017 - PRESENT*

- Worked as a member of the Security Assessment team, performing security analysis in Android and Tizen services present in Samsung flagship devices.
- Acted as focal point in many of these projects, having the responsability of assigning tasks to each member of the team also part of that assessment, choosing which aspects we should prioritize and serve as the point of contact with the developers, which usually are located overseas.
- Performed analysis in low-level systems in both Android and Tizen, which includes tasks such as reverse engineering Samsung proprietary code, static and dynamic analysis and design evaluation from a security perspective.
- Took part in pentesting several Samsung web applications and servers.
- Also did security consulting for internal projects and teams, helping developers designing secure systems and softwares from the start of the project.

Kryptus - Soluções em Segurança da Informação	*Campinas, Brazil*
SOFTWARE ENGINEER	*Sept. 2016 - May 2017*

- Worked on the design and implementation of secure systems for both proprietaty and third-party solutions.
- Worked mostly with the design and implementation of low-level systems, such as BIOS extensions, bootloaders and hard-drive cryptography for mission-critical hardware, such as ATMs.
- Worked on remote management tools to enable remote monitoring and maintanence of these systems.
- Most developtment was done in low-level C and x86 Assembly. The remote management tools were mostly developed in Python 2, using the Django framework.

Stoom - Soluções em E-Commerce	*Campinas, Brazil*
INTERN FULL-STACK DEVELOPER	*May 2016 - Sept. 2017*

- Helped design and implement the parts of the Stoom e-commerce plataform, which uses the Apache Struts and Spring frameworks.
- Took part in both front and backend development for third-party projects, helping with redesign and deployment of websites.

Big Data University	*Toronto, Canada*
INTERN SOFTWARE ENGINEER	*May 2014 - Sept. 2014*

- Worked on Bluemix (currently IBM Cloud) cloud computing product showcase using Big Data tecnologies, such as the IBM Cloudant NoSQL database.
- Took part in the HomeGuard summer project, which was a personal home survaillance system developed in Python on a RaspberryPi and NodeJS using the infrastructure provided by the IBM Bluemix plataform.

Honors & Awards

INTERNATIONAL

2014	**Grand Prize Winner**, SPORTSHACK 2014	*Toronto, CA*

Skills

Programming	C, C++, Python, Java, Javascript, Assembly (x86, ARM), Lua
Disciplines	Algorithms, Data Structures, Computer Graphics, Cryptography, Image Processing, Computer Vision
Languages	English, Portuguese, Spanish