

CONTACT INFORMATION	<i>Address:</i> 608W 113st <i>City:</i> New York, USA <i>Postal Code:</i> 10025	<i>Telephone:</i> (+1) 6462587246 <i>E-mail:</i> theofilos@cs.columbia.edu <i>Website:</i> www.cs.columbia.edu/~theofilos
INTERESTS	Systems & Network Security, Privacy.	
EDUCATION	2012-Present: PhD in Computer Science, Columbia University , NY, USA. Advisor: Prof. Angelos D. Keromytis 2012-2014: M.Sc., Computer Science, Columbia University , NY, USA (GPA 3.9/4) 2005-2011: School of El. Engineering & Computer Science, NTUA , Greece Advisor: Prof. T.Sellis. GPA: 8.22/10	
PROJECTS & PUBLICATIONS	August 2013 - December 2014: MINESTRONE : Developed IntFlow , an integer-error detection tool which reduces false positives for clang's <i>IOC</i> checker and inserts runtime checks around sensitive operations which may lead to an exploitable integer error. This research was funded by AFRL and was published in the proceedings of ACSAC 2014 . February 2014: XRay : Participated in the development of XRay , a new tool that reveals which data in a web account (such as emails, searches, or viewed products) are being used to target ads, recommended products etc. The respective paper was published at USENIX Security Symposium 2014 . August 2012: Praxis : Developed the automated report system for the Employment and Career Structure Information System (ECS-IS) of ECS NTUA Internship Programme . The project was funded by NSRF . May 2010 - June 2010: Developed a new term suggestion mechanism for the database of DIANA Lab . Implemented a series of MySQL UDFs to optimize queries over large mRNA datasets.	
TEACHING EXPERIENCE	Summer 2014: Professor for <i>Intr. to Programming in C</i> , SCE , Columbia University. 2013 - 2014: Head Teaching Assistant for Network Security, Data Structures & Algorithms, Advanced Programming, Fall & Spring semester, Columbia University. 2005-2011: Maths & Physics Tutor for high school students.	
PROGRAMMING	<i>Proficient:</i> C, Python <i>Fluent:</i> C++, Java, Bash, HTML, CSS, \LaTeX <i>Familiar:</i> PHP, Javascript, Ruby <i>Technologies/Frameworks:</i> <i>Proficient:</i> LLVM, Intel PIN. <i>Familiar:</i> nodejs, rails	
FELLOWSHIPS	2014: Gerondelis Foundation Grant recipient. 2012 - Present: Graduate Research Assistanship, Columbia University, NY. 2005: Eurobank EFG student fellowship award.	
LANGUAGES	Greek (native speaker), English (proficient), French (basic), Spanish (basic)	