Lef Ioannidis

Personal Data

Address:	243 San Jose Ave., San Francisco, CA
Phone:	+1 857 294 6849
email:	rausted@gmail.com

Work Experience

May 2016 - today — Principal Engineer at UnifyID, San Francisco, CA
First engineer, designed and implemented the UnifyID back-end for secure, implicit authenticaton.
Designed and implemented parts of the iOS, Android, Chrome extension and native clients for UnifyID.
In charge of engineering, interviewing and hiring.

September 2015 - May 2016 — Security Engineer at Apple, Cupertino, CA
FairPlay and DRM group
Apple Confidential Project. Relevant to Application Security, Secure Compilers, Binary Hardening.
Ensuring the FairPlay daemon and FairPlay DRM suite are immune to static and runtime
analysis attacks.

Summer 2014 — Graduate Firmware Engineering Intern at Intel, Hillsboro, OR
Wireless Sensor Network for Datacenter Monitoring
Worked in the *Internet of Things (IoT)* branch of Intel. Designed and wrote Firmware for
embedded microprocessors, connected in a wireless mesh network configuration. Used for
large-scale Datacenter monitoring. Intel internal publication Aug 2014.

Education

June 2015 — Bachelor's in Computer Science, *MIT*, Cambridge, MA
Major: Electrical Engineering and Computer Science
Thesis: *Parallel Instructions for the LLVM Compiler* | **Advisor:** Prof. Saman Amarasinghe, CSAIL
Focus: Software Engineering, Computer Systems, Computer Security, Cryptography,
Operating Systems, Computer Architecture, Electrical Engineering and Machine Learning.

Honors & Awards

Apr. 2017	Presenter, Scalable ML microservices on GPUs, Dockercon 2017, Austin, TX.
Mar. 2017	Winner, Security & Privacy, UnifyID, SXSW Accelerator pitch competition 2017, Austin, TX.
Feb. 2017	First-ever unanimous winner, UnifyID, RSA Innovation Sandbox 2017, San Francisco, CA.
Feb. 2017	Presenter, Secure, real-time data collection on mobile, MadCon 2017, Austin, TX.
Aug. 2016	Runner-up, UnifyID, TechCrunch Disrupt Battlefield 2016, San Francisco, CA.
Sept. 2014	Research and Innovation Scholars Program, EECS Department, *MIT*
2011-2015	Undergraduate Researcher Award, Financial Aid, *MIT*

Software Engineering

Skills:	Microservices architecture, design & implement secure protocols, PKI, SSL/TLS, cryptography, Reverse engineering, binary obfuscation and exploitation, MAC/ACL, SELinux, Distributed Systems security & scalability, OS development, system administration.
Languages (expert):	C/C++, Java, Javascript, Python, x86/ARM ASM, Bash.
Languages (intermediate):	Go, Elixir, Swift, LaTeX
Software:	Linux, FreeBSD, Docker, MongoDB, PostgreSQL, Kerberos, GIT, Wireshark, LLDB, GDB, IDA