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 - October 2017 — Software Architect at UnifyID, San Francisco, CA
First engineer, designed and implemented the UnifyID back-end for secure, implicit authenticaton. Docker microservices back-end, written in Golang, NodeJS and Python, functionality includes User & Device registration, encrypted data collection and real-time Deep Learning for authentication. Managed a team of 10 engineers and handled interviews.

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 **Speaker**, Data aware Nginx for Machine Learning, Nginxconf 2017, Portland, OR.
Apr. 2017 **Speaker**, Scalable ML microservices on GPUs, Dockercon 2017, Austin, TX.
Feb. 2017 **Speaker**, Secure, real-time data collection on mobile, MadCon 2017, Austin, TX.
Mar. 2017 **Winners**, Security category, First engineer at UnifyID, SXSW pitch competition 2017, Austin, TX.
Feb. 2017 **Winners**, First engineer of UnifyID, RSA Innovation Sandbox 2017, San Francisco, CA.
Aug. 2016 **Runner-up**, First engineer of UnifyID, TechCrunch Disrupt Battlefield 2016, San Francisco, CA.
Sept. 2014 **Research and Innovation Scholar**, SuperUROP, EECS Department, *MIT*
2011-2015 **Undergraduate Researcher Award**, Financial Aid, *MIT*

Software Engineering

Skills: Systems Architecture, Microservices, Design & Implement Secure, fault-tolerant systems, REST API, Public-Private Key infrastructure, Certificates, Cryptography, Distributed Systems, Operating Systems, System Administration.
Languages (expert): Go, C/C++, Java, Javascript, Python, SQL, x86/ARM ASM, Bash.
Languages (intermediate): Elixir, Lua, Swift, LaTeX.
Software: Linux, FreeBSD, Docker, Nginx, MongoDB, GIT, VIM, LLVM, GDB, IDA Pro.