

Lef IOANNIDIS

"I enjoy challenging problems; fast & secure systems, programming languages, verification"

INFO

ADDRESS: 235 Albany St, Cambridge, MA
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 authentication.
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.

EDUCATION

DECEMBER 2017 MASTER'S IN ENGINEERING, *CSAIL MIT*, Cambridge, MA
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**, Principal engineer at UnifyID, RSA Innovation Sandbox 2017, San Francisco, CA.
AUG. 2016 **Runner-up**, Principal engineer at UnifyID, TechCrunch Disrupt Battlefield 2016, San Francisco, CA.
SEPT. 2014 **Research and Innovation Scholar**, SuperUROP, EECS Department, *MIT*

SOFTWARE ENGINEERING

Skills: Formal Verification, Security, Programming Languages, Functional Programming,
Formal Semantics, Systems Architecture, Microservices, Big Data,
REST API Specification, PKI, Certificates, Cryptography,
Distributed Systems, Operating Systems, System Administration.
Languages (expert): Haskell, C/C++, Go, Javascript, Python, SQL, x86/ARM ASM, Bash.
Languages (intermediate): Coq, Idris, Elixir, Lua, Swift, \LaTeX .
Software: Linux, Docker, Kubernetes, MongoDB, GIT, LLVM, GDB.