

Eleftherios "Lef" IOANNIDIS

INFO

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EDUCATION

CURRENT PhD, *University of Pennsylvania*, Philadelphia, PA
Research: *Research in formal security protocols and zero-knowledge proofs. I use types, proof-assistants like Coq, as well as push-button verification tools like Z3. Expected graduation 2025.*
Advisors: Sebastian ANGEL, Steve ZDANCEWIC

JANUARY 2019 MASTER'S IN ENGINEERING, *CSAIL MIT*, Cambridge, MA
Major: COMPUTER SCIENCE.
Thesis: *Extracting and optimizing low-level bytecode from high-level verified Coq.*
Advisor: Frans KAASHOEK, Nickolai ZELDOVICH, Adam CHLIPALA, CSAIL

JUNE 2015 BACHELOR'S IN COMPUTER SCIENCE, *MIT*, Cambridge, MA
Major: ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Thesis: *Parallel optimizations for the Halide DSL language.*
Advisor: Prof. Saman AMARASINGHE, CSAIL

WORK EXPERIENCE

MARCH 2019 - TODAY Investment Engineer at BRIDGEWATER Associates, Westport, CT
Working on systematic investment logic.

MAY 2016 - OCTOBER 2017 Software Architect at UNIFYID, San Francisco, CA
Principal engineer, designed and implemented the UnifyID back-end for implicit authentication.

SEPTEMBER 2015 - MAY 2016 Security Engineer at APPLE, Cupertino, CA
FairPlay and DRM group
Application Security, LLVM Compiler, Reverse Engineering and mitigation.

CONFERENCE TALKS

APR. 2019 **Speaker**, MCQC: Extracting and optimizing formally verified code, NASA Formal Methods Symposium (NFM 2019), Houston, TX.

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.