Lef IOANNIDIS

INFO

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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 authenticaton. Managed a team of 15 engineers, handled
all technical interviews.

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

EDUCATION

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 Instructions for the LLVM Compiler*
Advisor: Prof. Saman AMARASINGHE, CSAIL

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.

SOFTWARE ENGINEERING

Skills:	Programming Languages, Security, Formal Verification, Functional Programming, Systems, Architecture, Compilers, High Performance Engineering.
Languages (expert):	Haskell, Scala, C/C++, Elm, Java, Go, JS, Bash.
Languages (intermediate):	Coq, Prolog, Lua, Swift, LaTeX.
Software:	Linux, Docker, Kubernetes, SQL, MongoDB, GIT, LLVM.