Georgios A. Konstantopoulos

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EDUCATION

M.Eng. Electrical and Computer Engineering, Aristotle University of Thessaloniki, School of Engineering, Thessaloniki, Greece, expected 2018

Relevant Coursework: Electronics, Electrical Circuits, Software Engineering, Data Structures, Structured/Object-Oriented Programming, Algorithms, Robotics, Controls, Microcontrollers, Operating/Distributed/Embedded Systems, Signal/Image Processing

TECHNOLOGY SKILLS

Programming Languages: Python, Solidity, Matlab, C, C++, Java

Operating Systems: Windows, Linux (comfortable with multiple flavors)

Other: Penetration Testing, Computer Networks, Raspberry Pi, Arduino

EXPERIENCE

Independent Smart Contract Auditor   March 2017-Present

- Auditing of smart contracts including ICOs, Tokens (ERC20, ERC223, ERC721) and Platforms.
- Utilizing automated tooling and scripting for detection of well-known vulnerabilities as well as advising on best practices and optimizations.

Researcher and Technical Writer   October 2017-Present

Loom Network   https://loomx.io

- Performing research on blockchain scalability.
- Implementing Plasma for scaling Ethereum through sidechains.
- Writing articles on blockchain fundamentals, security and scalability.

Software Engineering Intern   July 2017-December 2017

Honda R&D Germany   http://www.honda.de

- Researched blockchain applications on energy markets.
- Developed and tested proprietary smart contracts (tools: Solidity, Truffle Framework, OpenZeppelin, Ganache, Web3.js, Web3.py).
- Developed secure cryptographic key generation for IoT devices and interacted with REST APIs in Python.
- Managed and set up server for prototyping and local network deployment.

Founder   January 2017-June 2017

ThessSec   https://github.com/ThessSec

- Organized bi-weekly meetups on information security and privacy.
- Presented talks on Bitcoin, Web Application Penetration Testing, Network Security (among others).
- Educated attendees by leading discussions and interactive workshops.

Professional: Writing on security and blockchain at https://medium.com/@gakonst, IEEE Member & Event Organizer, attending conferences and local meetups whenever possible.

Misc. Interests: Autonomous Vehicles, Cybersecurity and Privacy, Blockchain, Internet of Things, Wearables, Boxing, Blues Guitar

MOOCs: Cryptography I, Machine Learning by Stanford University, Using Python for Research by Harvard University

Languages: Greek, English, Japanese, French