

Vitalis Salis

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EDUCATION

NATIONAL TECHNICAL UNIVERSITY OF ATHENS

DIPL.-ING IN ELECTRICAL AND COMPUTER ENGINEERING

2015 - 2021 (expected) | Athens,
Greece

TECHNICAL SKILLS

Expert

Python/Django • Databases • JavaScript
React-Redux • jQuery • Git • MVC
PHP • Scraping • FUSE

Advanced

Linux • vim • systems • OOP
JSON • MySQL • HTML5 • node.js
Puppet • IPMI • Netbox • Cython
layer.js

Intermediate

{Op,Info,Prod}sec • UI/UX • CSS3 •
Ruby/Rails • XML/XSLT/XQuery • TCP/IP
• HTTP • \LaTeX • C/C++
Elasticsearch • Data Analysis • Assembly

TEACHING

ASSISTANTSHIP

Fall 2018

Introduction to Computer Science. Athens
University of Economics and Business

Spring 2018, Spring 2019

Software Robustness and Security. Athens
University of Economics and Business

Spring 2018

Computer Security. University of Athens

PROFESSIONAL EXPERIENCE

GRNET SYSTEMS ENGINEER

2018 - 2019 | Athens, Greece

Took ownership of WebDNS, a web application written in Rails which manages thousands of DNS records owned by GRNET and its partners, over PowerDNS. Implemented rackops, a Python tool used by the operations team on day-to-day operations for managing the hardware racks at GRNET's datacenters, on top of IPMI. Proposed and implemented puppet-diff, a CI/CD procedure running on Jenkins for every diff, which identifies the machines that are affected by a particular diff and outputs what the effects of that change will be, helping reviewers identify potential breaking points.

GOOGLE SUMMER OF CODE SOFTWARE ENGINEERING INTERN

2017 | Athens, Greece

Implemented an open source re-encryption mix-net for e-voting applications based on the mix-net proposed by Fauzi et al.
Implemented libffpy a Cython wrapper for libff.

PETBNB FREELANCE SOFTWARE ENGINEER

2016

Developed a real-time chat using React (Redux) and layer.js, spanning 5,000 lines of JS code. Migrated existing functionality to the chat's interface.

GRNET SOFTWARE ENGINEER

2015 - 2016 | Greece

Zeus - Election Platform: Implemented a mechanism that allows users to participate in the mixing process of the mix-net employed by Zeus.

Implemented a procedure that safely verifies voting receipts.

Synnefo - Cloud Stack: Implemented an interface which served as the base of the development for allocation procedures on ganeti clusters on GRNET's various datacenters.

Introduced a memory caching interface and implemented caching procedures seeing improvements in performance.

PUBLICATIONS

Dimitris Mitropoulos, Panos Louridas, [Vitalis Salis](#), & Diomidis Spinellis "Time present and time past: Analyzing the evolution of JavaScript code in the wild".

[Vitalis Salis](#), Diomidis Spinellis. "RepoFS: File system view of Git repositories".

OPEN SOURCE

RepoFS

Represents the Git version control system as a virtual file system where all commits can be traversed concurrently (source).

JavaScript Dataset

A collection of the JavaScript code contained in the index page of the top 10,000 websites over a period of 9 months (Nov 16 - Jul 17). DOI 10.5281/zenodo.2593266

AWARDS

2019 SIGSOFT CAPS Awarded scholarship to present at MSR 2019