

Daniel Domínguez Álvarez

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Interests

Mobile applications ecosystem and reverse engineering. Program and binary analysis. Systems security. Fuzzing. Metaheuristics for fuzzing.

Publications

2019

Release Practices for iOS and Android Apps Daniel Domínguez-Álvarez, Alessandra Gorla. WAMA 2019 (colocated with ESEC/FSE)

Extended Abstract: Are You Sure They Are the Same? Identifying Differences Between iOS and Android Implementations Daniel Domínguez-Álvarez, Alessandra Gorla, Juan Caballero, Roberto Giacobazzi. JNIC 2019

2017

Querying Streams of Alerts for Knowledge-Based Detection of Long-Lived Network Intrusions Miguel-Ángel Sicilia, Javier Bermejo-Higuera, Elena García Barriocanal, Salvador Sánchez Alonso, Daniel Domínguez-Álvarez, Miguel Monzón-Fernández. FQAS 2017

Job experience

Schaffhausen Institute of Technology

Teaching assistant on Cyber protection Sep 2020 - Jan 2021

IMDEA Software Institute, Spain

Research Intern Feb 2018 - Dec 2018

University of Alcalá, Spain

Research Assistant Jan 2017 - Dec 2017

Intern in DARS Chair Feb 2016 - Jan 2017

Programming Intern Jan 2015 - Dec 2015

Education

Current

PhD in Computer Science 2018 - 2021 — University of Verona, Italy / IMDEA Software Institute, Spain

Grades

MSc. in Software and Systems 2017 - 2018 — Polytechnic university of Madrid, Spain / IMDEA Software Institute, Spain

Bachelor in Computer Science 2012 - 2017 — University of Alcalá, Spain

Non-grades

CISPA Summer School Aug 2018 — CISPA Helmholtz Center For Information Security, Germany

VMCAI Winter School Jan 2019 — University of Lisbon, Portugal

GaSES PhD School May 2019 — University of Genova, Italy

System Security School Sep 2019 — University of Padova, Italy

Skills

Programming

Knowledgeable C, Python, Ruby, shell, Haskell, JavaScript

Basic OCaml, Java, C#, Prolog, R, Swift, C++

Tools and systems

Linux, MacOS, Android, iOS, IDA, radare2, L^AT_EX

Languages

Spanish, English and a little Italian.

Service

Organized two CTF competitions for Bachelor students in University of Alcalá in 2016 and 2017.