Emanuele **Iannone**

Personal
Birth:
1st September 1996
Salerno (Italy)

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.github.io/

Twitter:
@EmanueleIannon3

GitHub:
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Languages
Italian (Native)
English (C1)

Programming
Java ♥
Python, C, R
HTML, CSS
Javascript, JQuery
Angular, Ionic
Cordova, Capacitor
MySQL, Neo4J
Servlet, JSP
Spring Boot
Android
LaTeX

Education

2020–	**Ph.D.** in Computer Science	University of Salerno

Working on Software Vulnerabilities in Software Maintenance and Evolution
Advisors: Fabio Palomba, Andrea De Lucia

2018–2020	**M.Sc. Degree** in Computer Science	University of Salerno

110/110 Cum Laude - Software Engineering curriculum
"Catch Me if You Can: Toward Automatic Exploit Generation of Known API Vulnerabilities"
Supervisors: Fabio Palomba, Andrea De Lucia

2015–2018	**B.Sc. Degree** in Computer Science	University of Salerno

110/110 Magna Cum Laude
"Automated Refactoring of Energy-Related Code Smells of Android Applications: a Plugin for Android Studio"
Supervisor: Andrea De Lucia

Publications

[C4] **Predicting The Energy Consumption Level of Java Classes in Android Apps: An Exploratory Analysis**
E. Iannone, M. De Stefano, F. Pecorelli, A. De Lucia
To appear In Proceedings of the 9th IEEE/ACM International Conference on Mobile Software Engineering and Systems 2022 (MobileSoft 2022), Pittsburgh, PA, US, 2022.

[J3] **Just-in-Time Software Vulnerability Detection: Are We There Yet?**
F. Lomio, **E. Iannone**, A. De Lucia, F. Palomba, V. Lenarduzzi
Journal of Systems and Software (JSS).

[J2] **The Secret Life of Software Vulnerabilities: A Large-Scale Empirical Study**
E. Iannone, R. Guadagni, F. Ferrucci, A. De Lucia, F. Palomba
IEEE Transactions on Software Engineering (TSE).

[C3] **Toward Understanding the Impact of Refactoring on Program Comprehension** 🏅
G. Sellitto, **E. Iannone**, Z. Codabux, V. Lenarduzzi, A. De Lucia, F. Palomba, F. Ferrucci
In Proceedings of the 29th IEEE/ACM International Conference on Software Analysis, Evolution and Reengineering (SANER 2022), Honolulu, Hawaii, US, 2022.

[J1] **Impacts of Software Community Patterns on Process and Product: An Empirical Study**
M. De Stefano, **E. Iannone**, F. Pecorelli, D.A. Tamburri
Science of Computer Programming (SCICO).

[C2] **Toward Automated Exploit Generation for Known Vulnerabilities in Open-Source Libraries**
E. Iannone, D. Di Nucci, A. Sabetta, A. De Lucia.
In Proceedings of the 29th IEEE/ACM International Conference on Program Comprehension (ICPC 2021), Madrid, Spain, 2021 (virtual).

[C1] **Refactoring Android-specific Energy Smells: A Plugin for Android Studio**
E. Iannone, F. Pecorelli, D. Di Nucci, F. Palomba, A. De Lucia.
In Proceedings of the 28th IEEE/ACM International Conference on Program Comprehension (ICPC 2020), Seoul, South Korea, 2020 (virtual).

Professional Services

Program Committee Member @ NIER Track   ASE 2022
37th IEEE/ACM International Conference on Automated Software Engineering

Shadow Program Committee Member   MSR 2022
19th International Conference on Mining Software Repositories

Program Committee Member   SQA4AI 2022
1st International Workshop on Software Quality Assurance for Artificial Intelligence

Reviewer   JSEP
Journal of Software: Evolution and Process

Reviewer   TOSEM
ACM Transactions on Software Engineering and Methodology

Talks, Lectures, and Attendances

Apr 2022   **Lecturer @ Software Dependability**   University of Salerno
            "Automated Test Case Generation & Automated Exploit Generation"

Apr 2022   **Lecturer @ Software Dependability**   University of Salerno
            "Software Vulnerabilities: Dynamic Analysis and More…"

Dec 2021   **Lecturer @ Software Engineering**   University of Salerno
            "Implementing Unit and Integration Tests with JUnit, Mockito, and DBUnit"

Oct 2021   **Lecturer @ Fundamentals of Artificial Intelligence** University of Salerno
            "Genetic Algorithms for Single-Objective and Many-Objective Optimization and
            their Applications in Real-World Scenarios"

May 2021   **Presenter @ ICPC 2021**   Online
            Presenter of [C2] Toward Automated Exploit Generation for Known Vulnerabil-
            ities in Open-Source Libraries

May 2021   **Lecturer @ Software Engineering, Management, and Evolution**   University of Salerno
            "Machine Learning Techniques for Bug and Vulnerability Prediction"

May 2021   **Lecturer @ Software Dependability**   University of Salerno
            "Automated Test Case Generation and Automated Exploit Generation"

May 2021   **Lecturer @ Software Engineering, Management, and Evolution**   University of Salerno
            "Energy Smells: Detection and Refactoring"

Apr 2021   **Lecturer @ Software Dependability**   University of Salerno
            "DAST and SCA for Detecting Software Vulnerabilities"

Nov 2020   **Lecturer @ Fundamentals of Artificial Intelligence** University of Salerno
            "Genetic Algorithms: Theory and Practice"

July 2020   **Presenter @ ICPC 2020**   Online
            Presenter of [C1] Refactoring Android-specific Energy Smells: A Plugin for An-
            droid Studio

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Signature