

Emanuele Iannone

Personal

Birth:
1st September 1996
Salerno (Italy)

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Contacts

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Languages

Italian (Native)
English (B2)

Programming

Java ♥
C, Python
HTML, CSS
Javascript, JQuery
Angular, Ionic
Cordova, Capacitor
MySQL, Neo4J
Servlet, JSP
Spring Boot
Android
L^AT_EX

Education

2018–2020 **M.Sc. Degree** in Computer Science
Advisors: Fabio Palomba, Andrea De Lucia
University of Salerno

2015–2018 **B.Sc. Degree** in Computer Science
Advisor: Andrea De Lucia
110/110 magna cum laude
University of Salerno

Projects

Sep 2019– **SIEGE**
Automatic Exploit Generation for Java applications that rely on vulnerable OSS libraries/frameworks.
M.Sc. Degree thesis subject.
University of Salerno

Apr 2018– **aDoctor**
Android-specific Energy Smell Detector and Automatic Refactorer
B.Sc. Degree thesis subject.
University of Salerno

Feb 2020 **Smart Cart**
Angular+Ionic App for grocery with articles recommendations.
Participant of Salerno App Challenge 2020.
University of Salerno

Jan 2020 **Amigo**
Spring Boot website.
Software Project Management and Software Engineering joint project.
University of Salerno

Publications

[T1] **Refactoring Android-specific Energy Smells:
A Plugin for Android Studio**
ICPC 2020
E. Iannone, F. Pecorelli, D. Di Nucci, F. Palomba, A. De Lucia. Refactoring Android-specific Energy Smells: A Plugin for Android Studio.
In Proceedings of the 28th IEEE/ACM International Conference on Program Comprehension (ICPC 2020), Seoul, South Korea, 2020

Teaching assistance

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|-----------|---|-----------------------|
| Spr. 2020 | Web Software Technologies Teaching assistant for B.Sc. students. Prof. R. Francese | University of Salerno |
| Fall 2019 | Software Engineering Teaching assistant for B.Sc. students. Prof. F. Ferrucci | University of Salerno |
| Fall 2018 | Software Engineering Teaching assistant for B.Sc. students. Prof. F. Ferrucci | University of Salerno |
| Fall 2018 | Software Engineering Teaching assistant for B.Sc. students. Prof. A. De Lucia | University of Salerno |
| Fall 2018 | Software Engineering Teaching assistant for B.Sc. students. Prof. C. Gravino | University of Salerno |

Talks and Participations

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| July 2020 | Presenter @ ICPC 2020 Presenter of [T1] Refactoring Android-specific Energy Smells: A Plugin for Android Studio at Quality session | Online |
| June 2019 | Attendee @ 14th ISSSE Attendee at 14th International Summer School on Software Engineering | University of Salerno |

Research Interests

Software Engineering

Both my theses subjects are in the Software Engineering field.

Software Testing

M.Sc. thesis subject (variant of automatic test case generation).

Search-Based Software Engineering

M.Sc. thesis subject (design and implementation of a genetic algorithms).

Software Vulnerabilities

M.Sc. thesis subject (automatic exploit generation of known OSS vulnerabilities).

Software Quality

B.Sc. thesis subject (code smells detection and automatic refactoring).

Software Maintenance and Evolution

Interested in developing maintenance tools and techniques for developers.