

Edoardo Lascalea

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EDUCATION

- **Università degli Studi di Perugia** Perugia, Italy
Bachelor's degree course in Computer science and electronic engineering [L-8]; Grade: Unknown 2017 - Present
Study-units: Computer Architecture and Operating Systems, Principles of Automatic Control, Feedback Control Systems, Graphical User Interface And Mobile Device Programming, Database Management Systems, Internet Basics, Algorithms And Data Structures, Economics And Business Organisation
- **Università degli Studi di Perugia** Perugia, Italy
Bachelor's degree course in Mathematics [L-35]; Grade: Not achieved 2016 - 2017

SKILLS SUMMARY

- **Programming:** Java, SQL, L^AT_EX, C++, JavaScript, HTML, CSS, Python
- **Frameworks:** Swing, pwntools
- **Library:** Pandas, NumPy
- **Tools:** eNSP, Wireshark, PostgreSQL, PgAdmin 4, VirtualBox, GIT, Robotics Toolbox for Python
- **Platforms:** Windows, Arduino, Mbed, Android
- **Editor:** IntelliJ IDEA, Visual Studio Code, PlatformIO, Arduino IDE, Overleaf, Vivado, PyCharm
- **OS:** Windows, Ubuntu, Kali Linux, Proxmox Virtual Environment
- **Languages:** Italian [mother tongue], English [IDO B1]

EXPERIENCE

- **Università degli Studi di Perugia - Department of Engineering**
University Internship [5 CFU]; Grade: 28/30 Aug 2020 - Mar 2021
 - **Teamwork:** Worked in a team of two, wrote a 77 page report explaining in details the progress and code for the project. The report was revised by the Professor of the *Logic design fundamentals and microcontrollers with laboratory* course
 - **STM32 and TI-CC101:** The objective of the Internship was to study and utilize the STM32 platform to create a radio link between two STM32 boards using the TI-CC101.
 - **Impact:** The work done was used by another Colleague as a base for a Thesis project.

UNIVERSITY PROJECTS

- **JConwayGameOfLife:** A Java Swing Application, made in MVC (Model-View-Controller) architecture, based on the John Horton Conway's cellular automaton *Game of Life*. Tech: Java, Swing Framework (September 2021)
- **Database:** Design and develop a database in PostgreSQL based on a F.S.E. Scout Group's needs. Tech: SQL, PgAdmin 4, PostgreSQL. (January 2021)
- **Huffman Code:** A Java implementation of the Huffman Code, with the capabilities of *encoding* and *decoding* text and showing the Huffman Tree. Tech: Java (July 2020)

CERTIFICATES

- Huawei **HCIA-Datcom** - Date of Issue: 23/03/2022 - Valid to: 23/03/2025
- IPMA ITALY **Introductory Certificate in PM** - Date of Issue: 01/12/2020 - Valid to: no expiry date
- AICA **ECDL-CORE Full** - Date of Issue: 25/03/2011 - Valid to: 25/03/2014

HONORS

- Chosen to participate at **Viaggio della memoria - Regione Lazio** to see BL Auschwitz (PL) and Birkenau (PL) and study in depth about Holocaust - March, 2016

AWARDS

- Won 3rd Prize during the **Huawei ICT Competition 2021-2022** in the Network Track as a Solo Team - Jun, 2022
- Ranked as 2nd in the University Team during the **CyberChallenge.IT 2021** competition - Jun, 2021
- Ranked as 3rd in the **SOC Challenge Champion** during the Exprivia competition - May, 2021
- Won the Prize during the **Coppa Italo d'Ignazio** competition with the School mathematics team - Nov, 2015
- Ranked as 3rd in the School Cadet Category during the **Kangourou della Matematica** competition - Jun, 2012

VOLUNTEER EXPERIENCE

- **F.S.E. Scout Group "Alessandro Pallocca"** Velletri (RM), Italy
Helped community of people in need and organized events of self-financing for Scout Camps. 2005 - 2016
- **Kraków SDM 2016** Kraków, Poland
Helped by guiding pilgrims and assist those in needs. 2016
- **EuroJam 2014 "Venite et Videte"** Saint-Evroult-Notre-Dame-du-Bois, France
Managed industrial equipment, delivered packages and distributed food. 2014