
ANTONIO LANGIU

+393466748374 • antonio@langiu.com • github.com/AntonioLangiu • linkedin.com/in/antoniolangiu • @antonio_langiu

Recent M.S.c Software Engineer Graduate, with a strong experience in open source and IoT security, fast learner and ready to integrate a product team at a software company with a mission.

SUMMARY OF COMPETENCIES

TECHNICAL SKILLS

- C / C++ 11 knowledge
- Android Development using Java and NDK
- iOS architecture and App development
- Network administration
- Programming algorithms
- Git and GitHub
- Hadoop and Apache Spark
- AWS Cloud, Docker, Vagrant
- RTOS (Contiki, RIOT, Zephyr)

ADDITIONAL SKILLS

- Fluent in Italian
- Proficient in English and German
- Reusable code for modular software
- Code efficiency, debugging and quality assurance
- Usability testing
- Logical problem solving
- Technical documentation, guidelines
- Good administration and organisation skills

EDUCATION

Master software Engineering, 110/110, Polytechnic University of Turin (Italy), 2015 - 2018

- Open source research project to measure the network censorship on mobile devices.
- Master Thesis in Austria to create a portable and secure update system for constrained IoT devices.
 - Developer of Libpull, the Portable Updates Lightweight Library <http://github.com/libpull/libpull>

Bachelor Computer Engineering, 93/110, Polytechnic University of Turin (Italy), 2012 - 2015

- Unix/Linux security modules and OS architecture, network administration, programming algorithms.

Exchange Year, Kantonsschule Sargans (Switzerland), 2010 - 2011

- German, math class, live in a local family and in an international environment

High School Accountant and Programmer, Technical Institute S.Satta Nuoro (Italy), 2007 - 2012

WORK EXPERIENCES

Developer, Nexa Center for Internet & Society, 2014 - 2017

- Started out as an intern studying the different security models of App Stores. Used static analysis methods and packet sniffing to analyze usage of permissions on different platforms (iOS, Android).
- Stayed on as a developer to contribute to an open source C++ library (MeasurementKit). This library is now used to run censorship measurement tests inside a popular App called "ooniprobe".
- Became Fellow at the Research Center within a year due to my contributions.

VOLUNTEER EXPERIENCE

Volunteer, AFS: American Field Service, 2011 - 2012

Association focused on helping students participate in exchange years abroad.

- Managed orientation groups to prepare young students to live one abroad. During that year 18 students moved to another country.

Co-founder and Vice-President, Mu Nu Chapter of IEEE-Eta Kappa Nu, 2016-2017

First chapter of IEEE-Eta Kappa Nu in Europe at the Polytechnic University of Turin.

- Co-founded the Italian association, interacting with the board members in USA. After 5 months we installed the chapter in Turin, with initially 32 members.
- Organized two events and one hackathon on Chatbot and NLP, interacting with partners companies, faculty members and organization. Thanks to this activities the chapter won the Outstanding Chapter Award and the Key Chapter Award, conferred at the HKN Student Leadership Conference in Florida.