MARIANO SCIACCO

marianosciacco.it · git.marianosciacco.it · in.marianosciacco.it

Born on March 11, 1997 ⋄ Living in Padova, Italy

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TECHNICAL STRENGTHS AND SKILLS

Programming languages (+++)	C++, Python, PHP
Programming languages (++)	Dart, Javascript, Typescript, Java
Programming languages (+)	Haskell, F#, Go, Matlab, AMPL, PAWN
Framework Web	Angular, ReactJS, Laravel, Lumen
Framework Mobile	Flutter
Databases	MariaDB, PostgreSQL, Redis, SQL Lite, MongoDB
DevOps tools	Git, Kubernetes, Docker, Github Actions, Travis CI
IDE	VS Code, Sublime Text, Jetbrains suite, Qt
Web Management	Portainer (Docker), Cockpit, Plesk, CPanel, Vesta CP
Linux OS	Fedora (RHEL), Arch Linux, Debian, Alpine Linux
Other	Microsoft Office suite and alternatives, LaTeX
Main skills	Teamwork, leadership, creativity, efficiency

LANGUAGES

- **Italian:** native, mother tongue

- **English:** good, Level B2 - First Certificate in English (FCE), CLA B2 Certificate for Speaking

- **German:** basic

EDUCATION

Master's Degree in Computer Science, University of Padua, Italy *September 2020 - now*
Department of Mathematics "Tullio Levi-Civita", School of Science (Padua)

B.S. in Computer Science, University of Padua, Italy *September 2016 - July 2020*
Department of Mathematics "Tullio Levi-Civita", School of Science (Padua)
Final grade: 97/110

Human Sciences High School, Italy *September 2012 - August 2016*
Liceo delle Scienze Umane "San Luigi", San Donà di Piave (Venice)
Main subjects: Psychology, sociology, pedagogy
Final grade: 94/100

Scientific High School, with *applied sciences* option *September 2011 - September 2012*
Liceo scientifico "Galileo Galilei", San Donà di Piave (Venice)

WORKING EXPERIENCE

Administrative Advisor and Tech Consultant, Hotel Lido September 2017 - now

· Administrative advisor and member of the board of directors for *Lido SRL*; tech consultant for email management, Booking.com platform and website management.

Developer Internship, SyncLab   May 2020 - June 2020

· Study, development and implementation of security protocols (OAuth 2.0, OpenID) for SyncTrace application used for Covid-19 prevention (*www.synclab.it*).

Internet Ads Assessor, LionBridge   November 2019 - February 2020

· Internet Ads Assessor and evaluator for the Google platform in collaboration with LionBridge.

TRAINING

SPRITZERS - Playground and Capture the Flag   November 2017 - March 2018
spritz.math.unipd.it   *University of Padua, Italy*

· Series of meetings regarding computer security, reverse-engineering techniques and software exploitation, held by prof. Mauro Conti (from Spriters Research Group).

INTERESTS

Web services management and Cloud-native applications for personal and business purposes.
Cloud system design and software development (both front-end and back-end).
Information management, user accessibility and approach of modern technologies in real life, with focus on social networks evolution, *IoT* world, Home Automation and AI.

MAIN RECENT PROJECTS

ArduTracker - Hardware-based Contact Tracing (IoT Project)   *January 2021 - now*
Project for *Wireless Networks for Mobile Applications* course involving *contact tracing* using dedicated hardware technologies. Analysis and implementation of a *PoC* for indoor and outdoor exposure detection.

**Smart Assistant Interaction through Visual Gesture Recognition using a Kinect Sensor
(Computer Vision Project)**   *June 2021 - July 2021*
Project for *Vision and Congnitive services* course; interaction with home smart assistants (Google Nest and Amazon Echo) using gestures in front of a Kinect camera. Complete proof of concept with pose detection, gesture recognition and server interaction with Google APIs, using MediaPipe and OpenNI framework. (*vision.marianosciacco.it*)

Analysis of Kubernetes Scalability (Cloud Project)   *January 2021 - June 2021*
Project for *Runtimes for Concurrency and Distribution* course related *Kubernetes*. Design and implementation of a cloud native application made with NextJS, NodeJS, Redis and Postgres. Load tests development for a "click-day" simulation over a cluster of dedicated machines with Kubernetes. (*rcd.marianosciacco.it*)

GreenHabits App (Android and iOS)   *November 2020 - March 2021*
Development of an advanced lifestyle app using Flutter framework for *Mobile Programming and Multimedia* course. This app is cross-platform and uses TensorFlow Lite (Machine learning framework for Mobile) to detect fitness activities autonomously with a pre-trained model. (*greenhabits.marianosciacco.it*)

Project ThiReMa - Red Round Robin (IoT Project)   *November 2019 - April 2020*
Things Relationship Management, advanced IoT architecture for *Software Engineering* course in collaboration with *SanMarco Informatica*. Design and development of an IoT management infrastructure to gather heterogeneous IoT devices in large scale throughout multiple endpoints potentially dislocated around the world (using Apache Kafka and Timescale database) (*swe.marianosciacco.it*)