

Michele Bonazza

Curriculum Vitae (Last update: February 2017)

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Personal information

First name Michele

Surname Bonazza

Date of birth February 24th, 1984

Nationality Italian

Gender Male

Current position

2014–present **CTO and Co-Founder.** *Molimur, Inc.*, maker of SketchTogether.

Work experience

2014–present **CTO and Co-Founder**, *Molimur, Inc.*, Orange County, CA – remote worker.

Full-stack developer. Designed and developed both the (Java, Redis, and MySQL-based) back-end and (AngularJS-based) frontend of SketchTogether, a real-time collaborative whiteboard. Administered the company's infrastructure. Designed and developed the company's website and iconography.

2016–2017 **Full-Stack Developer**, *Freelance*, Italy.

Designed, developed, and deployed an application to interconnect multiple monitoring systems (sensors, cameras, variable message signs, traffic lights, weather stations, ...) into a single administrative interface for highway management for an Italian company. Back-end in Python (Flask, Celery) and PostgreSQL (and Redis), front-end in ReactJS.

2009–2010 **Security Consultant**, *Reply S.p.A.*, Milan area, Italy.

Administered reverse proxies and Linux/AIX servers in general, administered Identity and Access Management systems, designed and developed internal J2EE applications at UBI, a 20k employees Italian Bank and Financial Group.

Education

2011–2015 **Ph.D. in Information Engineering**, *University of Padova*.

2012 **Short-term scholar**, *University of California, Irvine*.

2007–2009 **Master of Science in Computer Engineering**, *University of Padova*.

2002–2007 **Bachelor of Science in Computer Engineering**, *University of Padova*.

Ph.D. dissertation

title *A workflow for melanocytic lesion evaluation*

supervisors Prof. E. Peserico

description Designed a workflow for melanoma (skin cancer) detection to be used by dermatologists. Designed and developed *MoleMapper*, an Android-based dermatoscopy application that guides doctors throughout their routine to take full body pictures of the patient, automatically creating a mapping between pictures of skin lesions they take using a custom dermatoscope and the subdivisions of the body introduced in the workflow, consolidating the entire process into a single tablet device.

Teaching experience

- 2012 **Teaching assistant.** Course: *Computer Networks* – lessons on UNIX, Netfilter/iptables, network programming, web development.
- 2010-2011 **Lecturer.** Course: *Software engineering* – lessons on JVM internals, Concurrency in Java, Code Style, Production Tools.

Personal skills and competences

Languages

Italian **Mother tongue**

English **Fluent**

French **Basic**

Computer skills

- Programming Java, Python, Javascript (React.js, Angular, jQuery), Android development, Shell scripting, Lua scripting, Web development, SQL, Redis
- Tools Eclipse J2EE/CDT, IntelliJ IDEA, Webstorm, PyCharm, Vim, Maven, Ant, Gradle, Webpack, JUnit, Jasmine, Git, Subversion, Gerrit, Redmine, ...

Publications

- [1] F. Peruch, F. Bogo, M. Bonazza, V.-M. Cappelleri, and E. Peserico. Simpler, faster, more accurate melanocytic lesion segmentation through meds. *Biomedical Engineering, IEEE Transactions on*, 61(2):557–565, Feb 2014.
- [2] F. Peruch, F. Bogo, M. Bonazza, M. Bressan, V. Cappelleri, and E. Peserico. Simple, fast, accurate melanocytic lesion segmentation in 1d colour space. In Sebastiano Battiato and José Braz, editors, *VISAPP 2013 - Proceedings of the International Conference on Computer Vision Theory and Applications, Volume 2, Barcelona, Spain, 21-24 February, 2013*. SciTePress, 2013.
- [3] P. Bertasi, M. Bonazza, M. Bressan, and E. Peserico. Datamation: A quarter of a century and four orders of magnitude later. In *Cluster Computing (CLUSTER), 2011 IEEE International Conference on*, pages 605–609, sept. 2011.
- [4] P. Bertasi, M. Bonazza, N. Moretti, and E. Peserico. Parisync: Clock synchronization in p2p networks. In *Precision Clock Synchronization for Measurement, Control and Communication, 2009. ISPCS 2009. International Symposium on*, pages 1–6, oct. 2009.