Nicola Semprini

Curriculum Vitae

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Education

July 2021	**Graduation to Professional Engineer (Italian legislation)**, *Alma Mater Studiorum*, Bologna, *60/60*
2017 – 2020	**Master's degree in Computer Engineering**, *Alma Mater Studiorum*, Bologna, *110/110 with honors*
2014 – 2017	**Degree in Computer Engineering**, *Alma Mater Studiorum*, Bologna, *106/110*
2009 – 2014	**High School Diploma**, *Liceo Scientifico A. Righi*, Bologna, *78/100* PNI address

Master's thesis

title	*Light Integration of Cloud Native Applications based on Microservices Architectures*
supervisor	Bellavista Paolo
description	Analysis, design and development of native cloud applications with Java-based technologies, deployment on Docker + Kubernetes. Implementation of two use cases of Light Integration.

Thesis

title	*Automatic scaling of clusters for stream processing with the Apache Storm platform*
supervisor	Ciampolini Anna
description	In-dept study of the Apache Storm platform in order to perform automatic scaling upward. Demo with a sample cluster of 2 nodes.

Experience

2017 – 2023	**Academic Tutor**, *Alma Mater Studiorum*, Bologna, Italy Tutor of the Operating Systems T course, Faculty of Computer Engineering

Languages

English	B2
Italian	Native language