

## PERSONAL INFORMATION

## Alberto Pontini

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 <https://apontini.me>

Sex Male | Date of birth 03/12/1994

## EDUCATION AND TRAINING

## 2013 - 2016 Bachelor's Degree in Computer Science Engineering

University of Padua, Padua, Italy  
Graduated with 100/110

## 2016 – 2019 Graduating in master's degree course in Computer Science Engineering

University of Padua, Italy  
Graduated with 110/110

## WORK EXPERIENCE

## June 2012 – July 2012 IT teacher for the elderly

Municipality of Schio

Together with 3 other friends, we held an IT course for the elderly, teaching computer basics and tools like Word, PowerPoint and Skype

## March 2019 – September 2019 Web Developer

Hbenchmark srl

Internship as Ruby backend developer, occasional frontend developer with VueJS and Svelte

## September 2019 – Present Software Developer

Zextras srl

Java backend developer

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
FCE (B2 Level)					

Communication skills

▪ Team Work: skill acquired while working on various group projects and by working on professional projects during my journey as a developer

Organisational / managerial skills

▪ Team Leader: acquired while working with 3+ people teams on class projects or professional projects  
 ▪ Work scheduling: during university period, it was essential to schedule studying and projects to meet deadlines

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Independent User	Independent User	Independent User	Proficient User	Proficient User
Computer skills	<ul style="list-style-type: none"> <li>▪ Experience in Java, Kotlin and C programming, basic knowledge of Rust and Python. Experience with Java EE and Tomcat.</li> <li>▪ Experience with MySQL, PostgreSQL and MongoDB</li> <li>▪ Web Development: HTML, CSS (also with Bootstrap), Javascript (jQuery and Vue frameworks) and Ruby (Hanami framework)</li> <li>▪ Experience with Microsoft Windows due to daily use and MacOS due to my internship</li> <li>▪ Experience in Android development: My master thesis required a client-side application for an Android device</li> <li>▪ Experienced with managing a Linux-based systems: Me and 3 friends of mine hosted our own Linux-based server during university. Moreover, I'm actively using Ubuntu and Fedora as my daily OSs at home and work</li> <li>▪ Experienced in network management: I had classes that taught us how to manage a network by sniffing packets using Wireshark and how to build a computer network using various routing protocols. We also had to write C programs to send packets built by us to have a better understanding of how protocols work.</li> </ul>				
Other skills	<ul style="list-style-type: none"> <li>▪ Guitar playing: I started playing guitar when I was 13 and I'm still playing it as a hobby. I also attended a singing course for a year. I'm currently participating in a project called "Musica d'insieme" which gathers people of every age to play music together</li> </ul>				

Driving licence

B

## ADDITIONAL INFORMATION

Bachelor's Thesis	<ul style="list-style-type: none"> <li>▪ <b>Vodafone Net Neutrality Testing</b> – 2016 Bachelor's thesis project, made together with other 2 class mates;  Goal was to test whether Vodafone (mobile) was behaving within European and Italian net neutrality laws limits.  Repository: <a href="https://bitbucket.org/sznetwork/reti/src">https://bitbucket.org/sznetwork/reti/src</a></li> </ul>
Master Thesis	<ul style="list-style-type: none"> <li>▪ <b>A support system for prospective memory</b> – 2018/2019 (still under development) Master thesis project  Stress and aging hinder our ability to remember tasks we set for ourselves in our everyday life. The goal of this project was to create a context-aware system that would help people to remember those tasks. Client-side was implemented with an Android application, server-side was implemented using Java Servlets and other recent technologies.  Repository (client-side): <a href="https://github.com/apontini/Mnemosyne">https://github.com/apontini/Mnemosyne</a> Repository (server-side): <a href="https://github.com/apontini/Mnemosyne_server">https://github.com/apontini/Mnemosyne_server</a></li> </ul>

## Recent University Projects

▪ **Development of a P2P file storage system based on Kademlia DHT** – 2018

Project for the Distributed System class;

Goal was to develop a file storage system (such as Google Drive, OneDrive etc.) using Kademlia DHT, solving problems associated with a p2p network such as consistency, redundancy etc.

Repository: <https://github.com/Lahace/KademliaFileStorage>

▪ **Information Retrieval using ProbFuse algorithm** – 2017

Project for the Information Retrieval class;

Goal was to implement the ProbFuse algorithm to retrieve documents using Terrier as search engine.

ProbFuse: <https://lill.is/pubs/Lillis2006a.pdf>

Repository: <https://github.com/Pastea/IR2017ProbFuse>

▪ **Data Mining using BackBlaze HDD data collection** – 2017

Project for the Data Mining class;

Goal was to use Data Mining concepts to understand the most common hard disks fail indicators using S.M.A.R.T. parameters

Repository <https://github.com/garis/DataMiningBackBlaze>

▪ **WebApplications project** – 2018

Project for the web application class;

Goal was to create a website similar to <https://leetcode.com/> using Java servlets, javascript/jQuery, Bootstrap.

Repository: [https://bitbucket.org/upd-dei-stud-prj/w2018\\_lrgroup/src](https://bitbucket.org/upd-dei-stud-prj/w2018_lrgroup/src) (private repo)

▪ **Gestione strategica delle Organizzazioni project** – 2017

Project for the Gestione Strategica delle Organizzazioni class;

Goal was to create a new product and an ideal business model for it by studying existing products in some technical fields.

▪ **Innovation and Entrepreneurship project** – 2018

Project for the Innovation and Entrepreneurship class;

Goal was to create a hypothetical start-up build around an innovative product idea. We were required to find a viable market, create one or more product concepts and find a suitable business model.