Francesco Soncina

Curriculum Vitæ

Education

2010–2013   **Computer Science**, University of Bologna, *102*.
Bachelor degree

Thesis

Title	*IEEE 802.21: Media Independent Handover*
Supervisor	Prof. Vittorio Ghini
Class	Computer Network
Subject	

- Standard IEEE 802.21
- Analysis of open-source implementation ODTONE
- Development of HA simplex/full-duplex proxy on top of ODTONE

Awards and Honors

2016 / 04	8th @ CTF "Hands off my money" – 265
2013 / 05	Test TECO – 1225
2013 / 01	Scholarship
2012 / 11	English B1
2012 / 01	Scholarship
2011 / 01	Scholarship

Foreign languages

Italian	**Native**
English	**Proficient**

Work experiences

2016/02 – present   **Full Stack Developer**, ESIS, Bologna.

- JavaScript Specialist
- Lecturer

2014/07 – **IT Consultant**, ALTEN, Bologna, @ UniCredit Group.
2015/05
- ○ Analysis
  - Requirements gathering
  - Analisi dei requisiti e vincoli
  - E/R and workflow specs
- ○ Development
  - Development of a prototypal solution based on JavaEE + Struts2 + Hibernate stack
- ○ Functional
  - Progress of work monitoring
  - Feature validation
- ○ UAT:
  - Wrinting of User Acceptance Test specs
- ○ Testing / QA
  - Tickets management
  - Project Manager support
  - Validation of bugs resolutions
  - Deployment requests management
- ○ Customer Support
  - Tickets management

Miscellaneous

2014 / 03 **Part-time**, *University of Bologna.*

2012 / 07 **Part-time**, *University of Bologna.*

Skills

DevOps	SysAdmin, Provisioning, Continous integration, Continous delivery
Languages	Bash, JavaScript, Python, SQL, HTML5, CSS3, C, C++, Java, LaTeX
Applications	Nginx, PostgreSQL, NodeJS, MySQL, Apache
DVCS	Git
Misc	ViM, Tmux
Daily distro	Debian

Projects

2014 / 03 **Thesis**
Cross-platform Multi-network High-Availibilty Full-duplex Proxy [C++ / Boost]

2014 / 01 **Virtualization class project**
UMView partial virtual machine module for monitoring of network connections [C]

2013 / 11 **Android application *Trovatutto***
Collaborative application for geolocation of shops, services, etc [Java (Android), Python, SQL (PostgreSQL)]

2013 / 09 **Mobile application class project**
Development of a cross-platform 2D mobile game based on LibGDX framework.
LibGDX [Java (LibGDX)]

2013 / 07 **Software engineering class project**
Browser-based car rental system [Java (GWT), SQL (postgresql)]

2012 / 09   **Operating system class project**
Micro kernel for MIPS architecture [C]

2012 / 07   **Phoxy**
TCP-to-UDP-to-TCP proxy w/ AES support [scritto in: C]

2012 / 05   **Computer networks class project**
TCP-to-UDP-to-TCP proxy [C]

2012 / 02   **Web Development class project**
Browser based service for geolocating shops, pharmacies, etc [HTML5, CSS3, Javascript (jQuery), Python]

Interests

- Computer security
- Pentesting
- Forensics
- DevOps
- Rapid prototyping
- IT Automation