Luca **Argentieri**

SOFTWARE ENGINEER

Rosignano Marittimo, Leghorn, Italy

✉ luca99.argentieri@gmail.com | ⌂ silverluke.dev | SilverLuke | silverluke | SilverLuke

About me

Enthusiastic and passionate about computer science, with a preference for the 'Under the hood' side.
I have been using GNU/Linux since I was a kid (I use Arch BTW), demonstrating a keen interest in the open-source community.
Once a devoted fan of C, my affection shifted to Rust right from the start of my learning journey, holding the position of my preferred language.
I have acquired knowledge in various areas of computer science, encompassing web development, machine learning, cybersecurity, game development, robotics, 3D graphics, and more.

Work experience

NTT Data Italia *Pisa, Italy*

JUNIOR SOFTWARE DEVELOPER BACK-END *Apr 2022 - Current*

- Developed in the Google Cloud Platform **GCP** a software in **Java** for the live migration of around fifty data streams from DB2 databases to BigQuery using Google Dataflow. Created a scripts for code generation, significantly automating development.
- Collaborated in a team to develop a back-end in Java + **Spring Framework** for handling a simple protocol based on files on a ftp server. Used some GCP products (VM management, load balancing, clustering) and **PostgreSQL**. Other technologies used included **Kubernetes**, **Docker**, and **Jenkins**.
- Collaborated in a team to develop a back-end Java + Spring for an internal management system for a major Italian bank. Used **MongoDB** and **REST APIs** for interaction with the Front-End, developed by another team.
- R&D. Testing some libraries for Business Process Management (**BPM**), including Camunda, Conductor, and RHPAM.
- Maintainer of a Java + Spring + JavaScript software for handling Swift and ISO 20022 protocols for international payments.

Education

UNIPI (University of Pisa) *Pisa, Italy*

BACHELOR'S DEGREE IN COMPUTER SCIENCE *2017 - July 2022*

- Thesis: Input-Routed Echo State Networks

Publications

Luca Argentieri, Claudio Gallicchio and Alessio Micheli *ESANN*

INPUT-ROUTED ECHO STATE NETWORKS *Jul. 2022*

Development and benchmark on public datasets of a new neural network architecture in the field of reservoir computing.
Link: https://www.esann.org/sites/default/files/proceedings/2022/ES2022-90.pdf

Skills

Programming languages	Java, C, Rust, Python, JavaScript, Ocaml, Bash, C++, PHP
Framework	Spring, TensorFlow, Keras
DevOps	Google Cloud, Docker, Kubernetes, Jenkins, Maven, Git
Databases	PostgreSQL, Oracle, MongoDB, InfluxDB
Infrastructure	Linux, Systemd, Shell (bash, ZSH, Fish), SSH, Networks v4/v6, DNS, Firewall (iptables)
Languages	English - B2, Italian - Native language

Contests

INTERNATIONAL

2016	**13th place**, Zero Robotics. Control of a virtual satellite organized by NASA and ESA.	*Online*

DOMESTIC

2016	**1st place**, Robotics, line follower, High school competition	*Livorno, Italy*
2016	**8th place**, OII (Olimpiadi Italiane di Informatica) Competition in a team of 4 people.	*Bologna, Italy*
2015	**8th place**, Turing machine programming competition 19th edition.	*Pisa, Italy*