

Alfonso Ros

Curriculum Vitae

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Work Experience

- June 2022 - present **Senior Software Engineer**, *APEX.AI GMBH*, Germany.
◦ Apex.Ida middleware development (C++17, ROS, SOME/IP).
- 2020 - 2022 **Software Engineer**, *ESR LABS GMBH*, Germany.
◦ Contribution to Northstar, a container runtime written in Rust.
◦ Development of Intrusion Detection System in Rust
- 2019 - 2020 **Software Engineer**, *AUTONOMOUS INTELLIGENT DRIVING GMBH*, Germany.
◦ Development of the Vehicle's Middleware Transport (C++11, DDS, Linux).
- 2018 - 2019 **Project Engineer**, *TTTECH AUTO AG*, Germany.
◦ Development of BMW's *Keep Lane Assistant* (C++14, ROS).
- 2016 - 2018 **Software Engineer**, *EVOSOFT GMBH*, Germany.
◦ Implementation of monitoring system for electrical substations (C/C++, DPDK, RTLinux).
◦ Setup of Continuous Integration for embedded testing (Yocto-Linux, LAVA, Python, Go)
- 2015 - 2016 **Working Student**, *SIEMENS CORPORATE TECHNOLOGY*, Germany.
◦ Implementation of *Internet of Things* systems (C/C++, Cortex-M4, CoAP).
- 2012 - 2013 **Software Engineer**, *TALPOR SOLUTIONS C.A.*, Venezuela.
◦ Web Development using Python (Django).
- 2008 - 2011 **System Administrator**, *Universidad Simón Bolívar*, Venezuela.
◦ Network and System administration (DHCP, DNS, E-Mail, NFS, LDAP).
◦ Teaching Linux and C Programming courses.

Technical skills

Languages C++17, Rust, Python, Haskell
Software Git, CMake, Bazel, GDB, valgrind, Linux, VIM.

Education

- 2013-2016 **M.Sc. Informatics**, *Technische Universität München*, Germany.
Major: Computer Vision and Machine Learning.
- 2006-2012 **B.S. Computer Science and Engineering**, *Universidad Simón Bolívar*, Venezuela.
Award: 2011's Best Computer Science thesis - IEEE & Inelectra Venezuela.

Languages

Spanish Mother tongue
English Professional working proficiency
German Intermediate proficiency

Hobbies

playing Video and Board games, painting and a bit of piano playing