






Christopher Siller

Software Engineer, M.Sc.

Last update: March 8, 2023

Up-to-date version of CV is available at

https://ChriSil.github.io/cv_v2

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Python  C++     
     

I'm a Software Developer with four years of professional experience, currently working in an interdisciplinary team focused on utilizing Data Science to enhance the reliability of industrial machinery. This project involves bringing Machine Learning to the industry in Tirol, Austria. I have a strong interest in the field of Machine Learning and its potential to revolutionize various aspects of our society.

Professional Experience

Apr 2022 - Present

Ferchau Engineering, Innsbruck, AT

Software Engineer

Working as Software Developer in the reliability management system scrum team, utilizing data science principles to enhance the reliability of industrial machinery.

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Python

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Oct 2018 – Oct 2021

Hatch Ltd., Portland, OR, USA

Software and Systems Engineer

Part of the Rail Systems Engineering group. Responsibilities revolved mainly around development and application of TrainOps©, Hatch LTKs proprietary operations and electrical network simulation software, as well as some related field work.

- TrainOps Development: Incorporation of user feedback, documentation, beta testing.
- Postprocessing and analysis of simulation results, worked on new approaches to meet high data volumes.
- Acquisition and preprocessing of field data to build simulation scenarios.

C++

Python

MatLab

Nov 2015 – Dec 2017

Siemens Transmission Solutions,, Erlangen, Germany

Working Student, R&D

R&D Team member, building a test facility for a high voltage DC Switch. My task was to build a virtual workbench to allow remote charging, testing and monitoring, as well as test result analysis.

Oct 2014 - Jul 2015

Siemens Rail Electrification,,

Portland, OR, USA

Introduction to technical project management. Assisted in installing inspecting DC Substations. Facilitated automated Factory Acceptance Test (FAT) workbench for Rectifiers and DC Switchgear.

Jun 2012 - Sep 2014

Siemens Infrastructure and Cities,,

Erlangen, Germany

Working Student in part time, helping on-site with user IT issues, migration of Operating Systems, maintenance and migration of databases and server environments.

Education

King Edward VI Grammar School in Stratford-upon-Avon [1571 - 1578]

Additional Experience

Masters Thesis

Software development to calculating flight trajectories for autonomous multicopters in intralogistics

C++ Python ROS

Project Thesis

Fabrication of artificial muscles using the Aerosol-Jet-3D-Print method

3d Print Aerosols

Bachelors Thesis

Experimental and simulative analysis of thermally conductive polymers in high power LED-systems

FEM Analysis Thermal Conductivity