

Contact

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www.linkedin.com/in/rokvogrincic
(LinkedIn)

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(Personal)

zaras.si/ (Other)

Top Skills

Physics

NMR Spectroscopy

Lyophilization

Languages

English (Professional Working)

Spanish (Limited Working)

German (Elementary)

Croatian (Limited Working)

Honors-Awards

The Student Prešeren Award

Publications

The GALAH survey: New diffuse interstellar bands found in residuals of 872,000 stellar spectra

Effects of the Great American Solar Eclipse on the lower ionosphere observed with VLF waves

Diffuse interstellar bands as a tool for exploring galactic interstellar medium : doctoral thesis

Rok Vogrinčič

Data Scientist at Sandoz, Lek Pharmaceuticals d.d.

Ljubljana, Ljubljana, Slovenia

Experience

Sandoz

Expert (I, II) Data Science

August 2023 - Present (7 months)

Ljubljana, Slovenia

- Translating business questions into analytical problems and design solutions using visualization techniques, machine learning, and statistical modeling.
- Using the tools, data sources and analytical techniques necessary to answer a wide range of critical business questions.
- Improving processes in various projects and developing new analysis options by integrating existing and new data sources.

University of Ljubljana, Faculty of Mathematics and Physics

7 years 3 months

Young Researcher

October 2018 - April 2023 (4 years 7 months)

Ljubljana, Slovenia

- Research of the faint diffuse interstellar bands in stellar spectra obtained with a large sky survey GALAH
- Large-scale data analysis using Python, Data mining, GPR/Bayesian statistics, SQL query of the Gaia space mission database, observing with astronomical spectrographs (HERMES, Echelle)
- Teaching in the field of astrophysics, science popularization, and participation in international scientific conferences

Student Trainee

February 2016 - October 2018 (2 years 9 months)

Ljubljana, Ljubljana, Slovenia

Project manager of "Monitor of Sudden Ionospheric Disturbances" at the Astronomical observatory FMF at Golovec hill in Ljubljana, Slovenia

- Construction and installation of an antenna for receiving very low frequency (VLF) radio signals
- Building a physical model of ionospheric disturbances in the Earth's ionosphere

Instituto de Geofísica, UNAM

Student Internship

July 2017 - September 2017 (3 months)

Mexico City, Mexico

Summer Internship

- Working with very low frequency (VLF) data observed by the LaVNet station in Mexico City
- Building a physical model of the response of the Earth's ionosphere to a total Solar eclipse

Education

University of Ljubljana, Faculty of Mathematics and Physics

Doctor of Philosophy - PhD, Astrophysics · (October 2018 - September 2023)

University of Ljubljana, Faculty of Mathematics and Physics

Master of Science - MS, Physics · (October 2015 - August 2018)

University of Ljubljana, Faculty of Mathematics and Physics

Bachelor's degree, Physics · (October 2010 - September 2015)