

Roman Dvořák

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Education

Bc. study – CTU in Prague, Faculty of Electrical Engineering

Since 2017

study program: **Open Electronic Systems**

High school (Gymnasium)

2013 – 2017 | ČRG in České Budějovice

Experience

Bolidozor – radio meteor detection network

Since 2014

Development of software and data analysis.

MLAB – open-source electronic laboratory

Since 2013

Design of electronic modules, development of software.

Mentor at summer school of Astronomy

Since 2017

Supervisor of radio astronomy group at the summer school for high school and university students.

AROM (Autonomous robotic observatory manager)

Since 2016

Open-source software for autonomous controlling observatories and their equipment.

Modernisation of solar coelostat

2017 - 2018

Development of software for controlling movements of solar coelostat and data processing from measuring devices.

Modernisation of Patrol telescope at Ondřejov observatory

2017

Development of software for controlling telescopes and accessories.

RAbTeZA

2014

Design and realisation of experiment for stratospheric balloon.

Skills

Programming (Python, C, Java)
Database systems (SQL, MongoDB)
EDA software (KiCAD)
Linux server administration
3D print, 3D modelling (OpenScad, FreeCAD)
Driving license B

Languages

Czech, English

Conferences

IBWS - INTEGRAL/BART Workshop

2016 | International conference, Karlovy Vary, Czech Republic

Poster: **Bolidozor radio meteor detection network**

IMC 2017 - International Meteor Conference

2017 | International conference, Petnica, Serbia

Poster: **Data management system of the Bolidozor network**

Interests

Astronomy, Electronics, Programming, Photography
