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