

KRISTIÁN VITOVSKÝ

Born in Prague, Czech Republic, 16 May 1997

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personal web

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GitHub

<https://github.com/KristianVitovsky>

EDUCATION

*Master's degree in
Astronomy and
Astrophysics*

2019 - 2023

Charles University in Prague

Faculty: Faculty of Mathematics and Physics

Programme: Physics; Specialization: Astronomy and Astrophysics

Thesis topic: Hydrodynamical simulations of circumstellar discs

Advisor: doc. Mgr. Miroslav Brož, Ph.D.

Erasmus+

2021 - 2022

Ruprecht Karl University of Heidelberg

Department of Physics and Astronomy; Programme: Master of Science Physics

Summer practice

2017

Joint Institute for Nuclear Research

International Student Practice in Dubna, Moscow Region

Project: Constraining the Neutron Star Mass and Radius Relation

Advisor: D.E. Alvarez-Castillo

*Pedagogical
Minimum*

2017

JABOK

higher vocational school of social pedagogy and theology

Educator training.

*Bachelor's degree
in Physics*

2016 - 2019

Charles University in Prague

Faculty: Faculty of Mathematics and Physics; Programme: Physics, General Physics

A study of the long-term brightness and colour variations of the Be star 88 Her

Advisor: prof. RNDr. Petr Harmanec, DrSc

*Primary and
secondary
education*

2003 - 2016

Etherley lane · St. John's · Na Šutce · Gymnásium Na Vítězné Pláni

Split between England and the Czech Republic. Graduated with honours.

RESEARCH AND PUBLICATIONS

*Astronomy and
Astrophysics*

With publisher.

Hydrodynamical simulations of the β Lyr A circumstellar disc

Submitted as main author, paper co-authored by Miroslav Brož.

*Astronomy and
Astrophysics*

2022

V1294 Aql = HD 184279: A bad boy among Be stars or an important clue to the Be phenomenon?

Co-author in a team, my role were mainly astronomical observations.

<https://doi.org/10.1051/0004-6361/202244006>

*Astronomy and
Astrophysics*

2021

**Long-term, orbital and rapid variations
of the Be star V923 Aql=HD 183656**

Co-author in a team, research project studying long-term variability and duplicity of individual Be stars with multi-technique observations.

<https://doi.org/10.1051/0004-6361/202039740>

Hvar Observatory

2018,2019,2020

Astronomical observations at Hvar Observatory

Each year a month of photometric measurements at Hvar observatory in Croatia.

*Student Faculty
Grant*

Finished 2017

Project analyzing spectra of V1765 Cyg

Analysis of data from the Ondřejov Observatory in the Czech Republic as part of a Student Faculty Grant at the Astronomical Institute of Charles University: Pokus o spolehlivé nalezení spektrálních čar sekundáru v soustavě V1765 Cyg.

TEACHING AND WORK EXPERIENCE

I have also worked as a waiter, in a warehouse and as a worker on a construction site.

<i>ERA a.s.</i>	<i>Jan. 2024-</i>	Data analyst - VERA-NG	Passive Radar system designed to track air, ground and naval targets through pulse and continuous signal analysis. https://www.era.aero/en/military-security/vera-ng
<i>Un. of Economics and Business</i>	<i>Spring semester 2024</i>	Teaching mathematics exercises	I will be teaching two mathematics exercises groups at VŠE in Prague.
<i>PJZŠ Horáčkova school</i>	<i>2019-21, 2022-23</i>	Physics and Informatics teacher	Teaching 6th-grade informatics and 7th-, 8th- and 9th-grade physics.
<i>FH Královské Vinohrady</i>	<i>2020 - 2021</i>	Hospital attendant	I joined the struggle against the COVID-19 pandemic as a hospital attendant at the First Clinic of Internal Medicine at Královské Vinohrady Hospital.
<i>Astronomical Institute of Charles University</i>	<i>2017 - 2022</i>	Non-academic employee	This position allowed me to participate in some of the research described above.
<i>RIKKI summer camp organisation</i>	<i>2014 - present</i>	Camp counsellor	Part of the summer and a number of weekends and holidays each year organising adventures in an outdoor setting for 6-16 year old children.
<i>Salesian Youth Centre</i>	<i>2013 - present</i>	Educator at Salesian Youth Centre	Over the years at Salesian Youth Centre in Kobylisy I have led afterschool activities (Historical swordplay), worked as a coordinator during summer programmes, tutored and helped organize events for children.
<i>Tutoring</i>	<i>2015-present</i>	Tutor of mathematics, physics and english.	

OTHER QUALIFICATIONS

<i>Educator and management course</i>	<i>2022</i>	Head camp leader course	Course on work with youth and team management accredited by czech MEYS.
<i>Paramedic course</i>	<i>2017</i>	ZDrSEM	Accredited paramedic requalification course: ZDrSEM STANDARD.

OTHER NOTABLES

<i>Co-founder of a student club</i>	<i>2019-present</i>	Student club ZAZI	I helped found and now organize the student club ZAZI at the Faculty of Mathematics and Physics of Charles University.
<i>Creating games</i>	<i>2019-present</i>	Author of various live action games, Baggar	Author and director of games for children and adults: live action role playing games by Baggar (group I helped found), gamified stories for children for Rikki camps.
<i>Student vocational activity</i>	<i>2015</i>	Student vocational activity 1st place.	Project: Václav Hrabě, Nepřetržitě Blues (An original interpretation of the poetry of Václav Hrabě.) Supervisor: Eva Podzimková.
<i>European Comenius project</i>	<i>2013-2014</i>	European Comenius project in Greece	Exchange programme with Greece and Exhibition in Prague's main gallery.

OTHER INFORMATION AND SKILLS

<i>Languages</i>	ENGLISH · Fluent, CAE diploma with a C2 grade. Childhood in England. GERMAN · Fluent, Das Deutsche Sprachdiplom with a C1 grade. FRENCH · Basic communication, A1.3 grade CZECH · Mother tongue		
<i>Computer skills</i>	Numerical modeling. Programming in Python, C, HTML, CSS, Java and Pascal. Experience with Git and GitHub. Linux user. Working in LaTeX. Basic knowledge of parallel programming and machine learning.		
<i>Interests</i>	Summer camp coordinator · Mountaineering and climbing · Long-distance treks · Travelling · Literature · Cross-country skiing · Running · Jiu-jitsu		

January 24, 2024