

BC. JAKUB RADA

Prague, Czechia · 25/02/2000 · jakubrada@icloud.com · +420 604 730 409 · www.jakubrada.com

SKILLS

Languages: Czech, English, Spanish

Interests: Running, Gym, Learning, Coding, Reading, Hip-Hop music

Programming Languages: C/C++, Python, Julia, Rust, Haskell, Java, Javascript/Typescript, Dart, SQL, HTML/CSS

Application Frameworks: Flutter, Vue.js, Angular, Django, NodeJS

AI/ML Tools: PyTorch, NumPy, scikit-learn, DeepMind Control Suite, Gurobi, PySAT, Jupyter

Skills and Traits: Hardworking, Adaptability, Precision, Quick learner, Attention to Detail, Clean code, Problem solving, Responsibility

EDUCATION

Czech Technical University in Prague Artificial Intelligence	09/2022 - present Master
--	------------------------------------

- Master programme following the Bachelor programme with focus on Artificial Intelligence and Machine Learning.

European Summer in Artificial Intelligence Artificial Intelligence	07/2024 - 07/2024 Master / PhD
--	--

- 2nd European Summer School on Artificial Intelligence and 21st Advanced Course on Artificial Intelligence

Korean Advanced Insitute of Science and Technology Exchange programme	02/2023 - 06/2023 Master
---	------------------------------------

- Exchange programme in South Korea during my first year of Master's studies. Apart from the new things I learned, it gave me plenty of experience into my future life.

Czech Technical University in Prague Artificial Intelligence and Computer Science	06/2019 - 06/2022 Bachelor
---	--------------------------------------

- Bachelor programme consisiting of Math, Algorithms and Computer Architectures and Introduction to Optimization and Artificial Intelligence

Gymnázium, Praha 6, Nad Alejí 1952 General Education High School for students aiming to attend a university	09/2011 - 06/2019 High School
---	---

- One of the best High Schools in the Czech Republic providing great fundamentals in Math, Natural Sciences and Social Sciences

CERTIFICATES

TOEFL iBT (116/120) Reading 29, Listening 29, Speaking 28, Writing 30	09/2024 - 09/2026 2 years
---	-------------------------------------

Cambridge First Certificate in English B2 certificate in English	06/2017 Lifetime
--	----------------------------

MEMBERSHIPS AND SOCIETIES

Upsilon Pi Epsilon Honor Society	02/2024 Lifetime
--	----------------------------

PUBLICATIONS

The ALNS metaheuristic for the transmission maintenance scheduling

Journal of Heuristics / Springer Nature

05/2023

Paper

EXPERIENCE

Web and Mobile Software Development

SWEHQ | Part-time

06/2022 - present

Software Engineering

- Flutter, Dart, Vue.js, Python, Javascript, Typescript, Django, Docker, Android, iOS
- Developing multiple complex mobile and web apps in various languages. Namely, a social mobile app released for both iOS and Android (Joinly), a web app for aggregating and selling holiday tours, a web app for one of Ministries of the Czech Republic and a web app serving as a monitoring system for analogue missions (CommonTongue). Worked on both Frontend and Backend parts.

Web Software Development (Kappka)

SWEHQ | Part-time

06/2021 - 11/2021

Software Engineering

- Angular, Typescript, HTML, CSS, Javascript, NodeJS, Docker
- Development of a complex web application tool for mortgages for a big financial group. I worked on the front-end part of the application using Angular and Typescript.

ROADEF Challenge 2020

CIIRC CTU | Part-time

07/2020 - 06/2021

Researcher and Developer

- C++, C, Python
- Research and development of a solution for an international competition in discrete optimization. The problems were too large to be solved exactly so we had to derive a complex Metaheuristic algorithm to find approximate solutions.

Front End Web Developer

Scalesoft | Part-time

08/2019 - 12/2019

Software Engineering

- CSS, Typescript, HTML, Javascript, NodeJS
- Two-week internship before the first academic year, where I made both determinate and indeterminate progress indicators in pure CSS. This then translated into one semester long part-time job, where I worked on a web app.

ACHIEVEMENTS

Baltic 2011 National Round

2nd place

05/2011 - 00/0

SGP Systems

Baltic 2011 International Round

3rd place

06/2011 - 00/0

SGP Systems

Comparing Exploration Methods in Partially Observable Stochastic Games

Dean's award for exceptional Bachelor Thesis

11/2022 - 00/0

FEE CTU

Soul Marathon 2023 Relay

1st place

03/2023 - 00/0

Seoul Marathon

Daegu International Half Marathon 2023

10th place

04/2023 - 00/0

Daegu International Marathon

ROADEF Challenge 2020

2nd place in the junior category + paper published in the Journal of Heuristics

06/2021 - 00/0

EURO