Jan **Bronec**

Student of IT at Faculty of Mathematics and Physics, Charles University

About me

I'm currently a student in the bachelor computer science study program at MFF, UK. Hopefully, I'll have acquired the degree this summer. After that, I'm going for a master's degree in machine learning. My hobbies are coding, traveling, and playing sports.
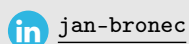
personal

Jan Bronec
nationality: Czech
2000

Areas of specialization

Computer Science · Machine Learning

Interests

Rust / Linux / ML / LLMs

in jan-bronec

EDUCATION

2020–2023

Faculty of Mathematics and Physics, Charles University
BACHELORS - COMPUTER SCIENCE / ARTIFICIAL INTELLIGENCE · Prague, Czechia 📍
A three-year bachelors degree program. The main focus of the program was computer science with a secondary focus on artificial intelligence and machine learning. In my bachelor's thesis, I examined the application of neural network pruning methods on Deep Belief Networks.

2016–2020

SOŠE COP, Hluboká nad Vltavou
SECONDARY EDUCATION - COMPUTER SCIENCE · Hluboká nad Vltavou, Czechia 📍
This four-year secondary education coursework included the basics of programming, cybersecurity, computer network management, database management, hardware assembly, and repair.

EXPERIENCE

Jun-Jul 2022

DIMACS Research Experience for Undergraduates - Rutgers University
RESEARCH INTERN · Piscataway, New Jersey, USA 📍
My research focused on the asymptotic improvement of a network community detection algorithm in the semi-external scenario; the scenario where the network as a whole does not fit into memory.

Aug 2019

Sensorex, Inc.
SOFTWARE DEVELOPER / IT TECHNICIAN · České Budějovice, Czechia 📍
Summer job, which included: Android app development, use of Google Cloud services, CAD / 3D Modelling of parts, building tools/machines programmed with Arduino microcontrollers

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Network Security
- Network Management

- Data Management
- Machine Learning
- Backend/Frontend Development
- Embedded

TECHNICAL SKILLS

Languages	Python, Rust, Java, C++, C#, Haskell, SQL, SPARQL
Technologies/Frameworks	Linux, Git, Docker, scikit-learn, Tensorflow, Open data

CERTIFICATES

Cybersecurity Essentials	Cisco NetAcad - ID: 5900330053-441
CCNA Routing and Switching: Routing and Switching Ess.	Cisco NetAcad - ID: 5900450053-492
CCNA Routing and Switching: Scaling Network	Cisco NetAcad - ID: 5900480053-581

LANGUAGES

Czech	C2	mother tongue
English	C1	● ● ● ○

Jan Bronec ✉ Pražská tř. 1255/19 📍 České Budějovice 📞 +420 730 848 641
@ janbronec00@gmail.com