Csongor Horváth

Mathematician, Computational Scientist

Current student looking to join the workforce to gain real-world experience. Ability to complete tasks on time in both individual and team settings. Dependable and reliable, ready to learn and grow with your company.

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EDUCATION

MSC Computational Science (08/2022-)
Uppsala University *(Uppsala, Sweden)*

courses:
- Computer Programing II.
- Scientific Computing for PDEs
- Computer Assisted Image Analysis
- Computer Programing II.
- Applied Finite Element Method
- Optimisation

BSC Mathematics (09/2019-07/2022) – GPA~ 3.94
Eötvös Loránd Tudományegyetem *(Budapest, Hungary)*

courses:
- Python programing
- Operation research I.-II.
- LP modelling with computers
- Algebra I.-IV.
- JAVA programing
- Discrete Maths I.-II.
- Computation Theory
- 6 different analysis courses

Extracurricular university studies (09/2022-07/2022)
Eötvös József College for Advanced Studies *(Budapest, Hungary)*

Next to my university studies I visited math lectures and language courses in the Eötvös College. I also took part in the social life and helped organizing some event without being part of the student committee.

High School Diploma (09/2013-06/2019)
Szent István Gimnázium *(Budapest, Hungary)*

I studied in a special math class and graduated with straight A-s at the final exam. I was part of the school cross-country running team which made it to the Word School Championship in 2016 and I represented Hungary and my school there.
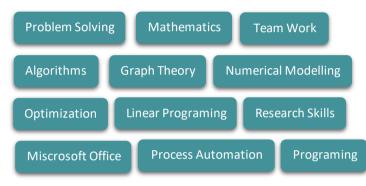
PROGRAMING LANGUAGES

regular usage/deeper knowledge: **python, MATLAB, latex**
some experience/basic knowledge: **JAVA, JavaScript, C#, C++**

PERSONAL PROJECTS

- **Course Projects at Uppsala University (08/2022-present)**
  https://github.com/horvathcso/Course-Projects-UU
- **Chordal Graph Algorithms (04/2022-10/2022)**
  Algotihms connected to my BSC thesis (python – based on networkx)
  https://github.com/horvathcso/Chordal-garph
- **Online two players five in a row (06/2020-08/2022)**
  During the lockdown I developed a python console application to be able to play five in a row with my friends

SKILLS

Problem Solving • Mathematics • Team Work • Algorithms • Graph Theory • Numerical Modelling • Optimization • Linear Programing • Research Skills • Miscrosoft Office • Process Automation • Programing

CERTIFICATES

freeCodeCamp - Scientific Computing with python (08/2022)
https://www.freecodecamp.org/certification/horvathcso/scientific-computing-with-python-v7

VOLUNTEERING

A Gondolkodás Öröme Alapítvány (07/2020 - Present)
Organizer
I help organizing the Dürer natural science team contest from 2019. Which includes organizing the event and prior creating the problem sheets, one of which I was in charge of the last 2 years. Also I took part in the correction of the students solution.

Tipo Tájfutó és Környezetvédő Egyesület (01/2022 - 04/2022)
Competition President
Helped organizing the three days long orienteering competition (TIPO cup) for 500 participant as the president of the organizing committee.

LANGUAGES

Hungarian *(mother tongue)*
English *(Full Professional Proficiency – IELTS 7.0)*
German *(Elementary Proficiency)*

HOBBIES

Orienteering • Running • Sports • Board Games • Hiking • Penpalling