

# Kristóf Havasréti

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I'm a mathematician who recently switched to the manufacturing industry. I decided to work on physical technology so that I can make a tangible difference in the world.

## Education

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<b>Óbuda University</b> – BSc in Mechanical Engineering (unfinished)	2022 – 2023
<b>Eötvös Loránd University</b> – MSc in Pure Mathematics	2016 – 2019
<b>Eötvös Loránd University</b> – BSc in Applied Mathematics	2011 – 2015

## Experience in Industry

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**CNC Laser Cutter Operator**, Intertechnika Kft. – Budapest, Hungary 2024 – Present

- Operated Trumpf laser cutting machines in a sheet metal fabrication shop
- Changed tooling and edited the technological parameters for different jobs
- Moved sheet metal and cut parts either manually, with forklift, or with overhead crane
- Checked material for size and defects; checked parts for dimensional correctness, burr, and other defects
- Administered the production process in ERP software
- Performed weekly maintenance on the machines

**Machine Shop Assistant**, Óbuda University, Department of Manufacturing Technology – Budapest, Hungary 2023

- Prepared lathes and mills for university shop classes; conducted regular maintenance of the machine tools
- Cut to length, turned, and faced stock material for in-house CNC jobs
- Milled and turned specimens for material testing

**Metro Cleaner**, Top Hygiene Kft – Budapest, Hungary 2019

- Cleaned metro stations on night shift: emptied out trash bins, washed floors and cleaned toilets
- Carried out safe use of chemicals including acids and lyes

## Experience as a Mathematician

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**Model Validation Analyst**, MSCI Inc – Budapest, Hungary 2020 – 2022

- Tested financial derivatives pricing models for risk analytics software
- Replicated model calculations in MATLAB, Python, and Excel
- Answered client queries arriving through Salesforce

**Guest Lecturer**, Eötvös Loránd University, Faculty of Education and Psychology – Budapest, Hungary 2018 – 2019

- Taught courses in programming and mathematics to cognitive science MSc students

**Statistician**, Planiméter Kft – Budapest, Hungary 2018 – 2019

- Evaluated commercial and academic medical studies
- Developed business intelligence applications for marketing resource planning

**Data Collector**, DatAdat Professional Kft – Budapest, Hungary 2016 – 2017

- Gathered and merged data sourced from social media APIs, SQL databases, and web scraping

**R Programmer**, Petabyte Research Ltd – Budapest, Hungary 2015

- Collected, processed, and visualized data for scientometric analysis of EU-funded studies

## Skills

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**Machining:** manual lathe, manual mill, bandsaw

**Programming:** Python, MATLAB, R, SQL, Git

**Language:** English (fluent, C1), Hungarian (native)