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

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

Experience in Industry

CNC Laser Cutter Operator, Intertechnika Kft. – Budapest, Hungary   2024 –
- Operated Trumpf laser cutting machines in a sheet metal fabrication shop (two shifts)
- Changed tooling and edited the technological parameters for different jobs
- Moved sheet metal and 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
- Occasionally operated a 3-axis CNC milling machine

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

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

Machining: CNC laser cutter (Trumpf), 3-axis CNC mill (NCT), manual lathe, manual mill, bandsaw
Material handling: forklift, overhead crane
Programming: Python, MATLAB, R, SQL, Git
Language: English (fluent, C1), Hungarian (native)