Csontos Dávid

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PROFILE

Quant Developer at Algorion Hungary and Computer Science graduate of Eötvös Loránd University, with over a year of algorithmic trading experience in European energy markets. My mathematical and algorithmic skills are proven in national and international competitions (ICPC, OKTV, Nemes Tihamér, International Olympiad of Metropolises) as well as in real-world corporate and trading environments. I work mainly in Python and C++, with practical experience in designing trading system architectures and building data-driven automation. Alongside work, I am studying for an MSc in Business Informatics at Corvinus University of Budapest.

WORK EXPERIENCE

Algorion Hungary | *Quant Developer* | *September 2026 – Present*

- Building research and trading infrastructure at an early-stage hedge fund, mainly in Python and C++.
- Working across the strategy development workflow, from data pipelines and backtesting frameworks to production execution code.

L2 Energy | *Algorithmic Trader and IT Architect* | *July 2025 – September 2026*

- **Algorithmic Trading:** Developed, implemented and managed intraday energy trading strategies using PowerBot (Volue's algorithmic trading platform), including battery storage (BESS) optimisation.
- **Architecture & Development:** Designed and implemented the IT architecture for the trading systems.
- **Data Management & Cloud:** Ran complex database operations in SQL and integrated the systems into the Microsoft Azure cloud environment.
- **Visualization & Monitoring:** Built Grafana dashboards (backed by Python and SQL) to monitor trading data and system processes.

Freelance / Project-Based Developer | *Software Developer*

- **Logistics Algorithms (Domestic Shipping Company):** Created algorithms and optimisation models to support real-world business and logistics processes.
- **Automotive Project (Foreign-Owned Company):** Optimised and updated an existing shape recognition software over a 3-month project.

Alphacademy | *Programming Instructor* | *2022 – 2026*

- Taught C++ and complex algorithms to talented students, along with technical communication and coding best practices.

EDUCATION

- **Corvinus University of Budapest** | Budapest | *Business Informatics MSc* | *2026 – 2028 (in progress)*
- **Eötvös Loránd University (ELTE)** | Budapest | *Computer Science BSc* | *2022 – January 2026*
  Completed with a strong focus on algorithms, software engineering and data structures.
- **Fazekas Mihály Gimnázium** | Budapest | *Specialised Mathematics Class* | *2016 – 2022*

ACHIEVEMENTS & MEMBERSHIPS

- **Mensa Hungarica:** Active member
- **Coding and Mathematical Competitions:**
  - ICPC (International Collegiate Programming Contest), National Round: **Bronze Medal** (2022)
  - OKTV (National Secondary School Academic Competition) in Informatics: **Finalist** (2021)

    - Nemes Tihamér Online Programming Competition: **Winner** (2020)
    - International Olympiad of Metropolises: **Honorable Mention** (2020)
- **Chess:** 2x National Age-Group Chess Champion (2017, 2018)
- **Excellence Programs:** Junior Templeton Fellow (2015–2017)

PROFESSIONAL SKILLS

- **Programming Languages:** Python, C++, C#, Java, C, SQL
- **Quantitative Skills:** Probability and statistics, time series analysis, mathematical optimisation, backtesting and strategy evaluation, risk management
- **Trading & Data:** Algorithmic trading strategies, intraday energy trading, battery storage (BESS) optimisation, PowerBot, SQL
- **Infrastructure & Tools:** Microsoft Azure, Grafana, Git (version control, CI/CD pipelines)
- **Languages:** English (C1, fluent, negotiation level, with experience in international environments), Hungarian (native)

VOLUNTEERING, HOBBIES & SOFT SKILLS

- **Soft Skills:** Strong problem solving, clear and concise communication from years of teaching, team player in both software development and sports environments.
- **Volunteering, IÖCS (Semmelweis University):** Active organizer of events, mainly for international (English-speaking) students.
- **Medve Matek (Bear Math):** Previously taught mathematics to children at summer camps and helped organize competitions.