

# Mikolaj Hilgert

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Student

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I am committed to my work and have a strong desire to learn new skills and collaborate with others. Furthermore, growing up in a multicultural environment has made me more open, approachable, and adaptable to difficult situations. I am good at group organization, ensuring that all project goals are met on time. My current decision to pursue a Bachelor of Science in Software Engineering was motivated by my interest in practical problem solving. I'm also very interested in business, which I intend to incorporate into my future studies at JADS (Jheronimus Academy of Data Science) with the Data Science in Business and Entrepreneurship master's program.

## SKILLS

<b>Technologies</b>	C# (.NET), Python, Java (Spring), Javascript (NestJS), Scala, Azure, Spark, Hadoop, Airflow, Kubernetes, Langchain, Pinecone, Docker, MongoDB
<b>Tools</b>	Git, SQL, Adobe Suite, Office, Cinema4D, Postman, $\LaTeX$
<b>Communication</b>	English (native), Polish (native), Czech (proficient), German (B1)

## EXPERIENCE

<b>Trainee Software Engineer (Part-Time)</b> <i>Building Blocks (Part of CM.com)</i>	<b>Mar 2023 — Nov 2023</b> <i>Tilburg, The Netherlands</i>
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- Enhanced the IntelliJ IDEA development plugin used by data scientists of Building Blocks, resulting in significant improvement in system usability and workflow integration with proprietary technologies.
- Participated in Agile development sprints, contributing to planning, estimation, and review processes to adhere to project timelines.

<b>Software Engineering Internship (Full-Time)</b> <i>Building Blocks (Part of CM.com)</i>	<b>Sep 2022 — Feb 2023</b> <i>Tilburg, The Netherlands</i>
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- Implemented an advanced data loading and encryption feature, securing sensitive information and simplifying integration. This decreased the need for data scientists to write custom code, allowing them to merely define specifications, which accelerated their workflows.
- Leveraged Apache Spark and Scala for large-scale data processing, driving improvements in processing time and system throughput.
- Documented all development phases and updates, creating comprehensive guides for user support and future codebase enhancements.

<b>Research Student Internship (Part-Time)</b> <i>Microsoft</i>	<b>Feb 2019 — Jun 2019</b> <i>Prague, Czechia</i>
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- Conducted Market research on Quantum computing and presented findings for an internal Hackathon.

## NOTABLE PROJECTS

<b>Full-Stack Developer</b> <i>LabelGenius - Individual University project</i>	<b>Sep 2023 — Present</b>
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- An online platform that connects data providers with skilled labellers, streamlining image data labeling to create high-quality data-sets that are used in AI and machine learning applications.
- Developed a micro-service architecture in C# using .NET 6.0, with deployment to a managed Kubernetes cluster.
- Integrated with various Azure solutions to enhance performance, scalability and security of the application.

<b>Data Pipeline Developer</b> <i>Canon - OSE Group</i>	<b>September 2021 — January 2022</b>
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- The system is used to process raw printer data and display results on a dynamic dashboard.
- Collaborated in a high-performing team of 5 within a Scrum agile framework.
- Contributed to the design and development of an ETL data pipeline using Python and Apache Airflow.

## EDUCATION

<b>Pre-master in Data Science in Business and Entrepreneurship</b> , JADS (Tu/e & Tilburg University) ⇒ Courses: Programming, Data-structures and Algorithms, Introduction to Machine Learning, Foundations of Databases & Statistics for Data Scientists	<b>Grade: 8.0</b> Jan 2023 — Jul 2023
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<b>Bachelor of Science in ICT &amp; Software Engineering</b> , Fontys University of Applied Science	2020 — 2024
<b>International Baccalaureate Diploma and IGCSE</b> , Prague British International School (PBIS)	2007 — 2020

## EXTRACURRICULAR ACTIVITIES

Basiswiskunde Math B - Eindhoven University of Technology	2021
Lead of Electrical Engineering Club (Helping younger students with Arduino projects) - PBIS	2018 — 2020