

# MATEUSZ GIENIECZKO

C#.NET Developer and CS Student at the University of Warsaw

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## 📁 EXPERIENCE

### Intern Software Engineer

Microsoft Ireland – Identity Division

📅 June 2021 – September 2021

- 📁 Architected and developed a solution for secure querying of on-premises data stores. Collaborated with multiple globally distributed teams to produce a detailed design document to ready the solution for production. Received excellent feedback from my manager and coworkers.

⚙️ C#, ASP.NET Core, Azure cloud, Azure DevOps

### Lead Software Engineer

UView, PushThatButton

📅 August 2020 – June 2021

- 📁 Architected and developed a microservice based solution ensuring scalability and HA of services to end users. Integrated multiple data sources including REST APIs, SQL and NoSQL databases under a high-performance GraphQL API. Helped ensure high code quality with peer reviews and static analysis integration.

⚙️ C#, ASP.NET Core, EF Core, GraphQL, PostgreSQL, AWS cloud, Azure DevOps

### C# .NET and Database Developer

Lingaro

📅 July 2019 – June 2020

- 📁 Architected and developed a scalable business-critical reporting and data warehousing solution utilizing an ASP.NET Core API, AzureSQL database, Azure Blob Storage, Azure Data Factory and Azure DataBricks.

⚙️ C#, ASP.NET Core, EF Core, SQL Server, Azure cloud

### C# .NET Entry Level Developer

KMD Poland

📅 April 2018 – September 2018

- 📁 Developed an administrative web application from scratch in ASP.NET MVC. Designed architecture and implemented a database migration tool for a large-scale distributed data processing system. Worked in an Agile team under SCRUM methodology.

⚙️ C#, ASP.NET MVC, EntityFramework, Python, PostgreSQL/SQLServer, SCRUM methodology

## 🏆 ACHIEVEMENTS

### Bronze medalist (2x)

XXIII and XXIV Polish Olympiad in Informatics

📅 2015/2016, 2016/2017

## 🎓 EDUCATION

### Master's degree in Computer Science

Faculty of Mathematics, Informatics and Mechanics of the University of Warsaw

📅 October 2020 – June 2022

### Bachelor's degree in Computer Science

Faculty of Mathematics, Informatics and Mechanics of the University of Warsaw

📅 October 2017 – June 2020

- Bachelor's thesis: Product Scanner – an image reconstruction application for generating fully textured 3D models of products with an Azure Kinect camera. Written in Python.
- Straight A's in databases, algorithms & data structures, concurrent programming, software engineering.

## 📖 THEORETICAL INTERESTS

Logic Automata Theory of computation

Programming language design and compilers

## 🔗 INDEPENDENT PROJECTS

### Harper

Interpreter for a hybrid functional-imperative programming language. Features lazy evaluation and a novel static type system with polymorphism and explicit side-effects. Written in Haskell.

### Latte

Compiler for a Java-like programming language targeting x86\_64 architecture. Features inheritance, virtual methods, optimisations, and global register allocation. Written in Haskell.

### LeagueOfBets

Microservice application written in C#. Utilizes several asynchronous job queues in RabbitMQ and authentication/authorization flow between API endpoints based on IdentityServer4 OpenID implementation.

### Artificial Intelligence for Connect Four

Team project – a GUI and an AI for Connect Four based on minimax search algorithm using alpha-beta pruning with iterative deepening. Made in Python.