



# Matej Ciglencečki

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## Experience

10.2020. – 10.2021.

Software Engineer – [Memgraph](#)

- designing SQL database and writing feature specs for Memgraph Cloud's backend
- implementing backend for Memgraph Cloud (**node.js**, **TypeScript**, **Sequelize**, **postgres**)
- writing unit and integration tests (**Jest**)
- setting up **Elastic Stack** on **AWS EC2** to analyze application's logs from **AWS CloudWatch**
- creating [educational lessons](#) (**Memgraph**, **Cypher**), transforming datasets to a graph dataset (**node.js**)

07.2020. – 10.2020.

Software Engineer Intern – [Memgraph](#)

- implementing geographic graph data visualization in Memgraph Lab (**Leaflet**, **vis.js**)
- refactoring codebase via design patterns (**TypeScript**, **Angular**)
- writing a [summary blog post](#)

07.2019. – 08.2019.

Technical assistant – Conty Plus

- file parsing and data transformations (**Python**)

## Education

2021. – present

MSc Computer Science – [Faculty of Electrical Engineering and Computing](#), Zagreb

2017. – 2021.

BSc Computer Science – [Faculty of Electrical Engineering and Computing](#), Zagreb

2013. – 2017.

School of Electrical Engineering – Computer Technician, Zagreb

## Skills

web dev backend

web dev frontend

databases

data science

machine learning

data science

script languages

low-level programming

object oriented programming

advanced knowledge (**node.js**, **Sequelize**, **TypeScript**)

intermediate knowledge (**React**, **Angular**, **TypeScript**, **HTML**)

elementary knowledge (**postgres**, **SQL**, **Memgraph**, **Cypher**)

intermediate knowledge (**R**, **Python**, **numpy**, **pandas**, **matplotlib**)

intermediate knowledge (**PyTorch**, **scikit-learn**)

intermediate knowledge (**postgres**, **SQL**, **Cypher**)

intermediate knowledge (**Python**, **bash**)

intermediate knowledge (**C**)

elementary knowledge (**Java**)

## Workshops

2020.

Soft skills academy (1 week) – leadership group

2019.

DataCrunch (1 week) – data science academy

- R, machine learning, finance
- predicting bankruptcy of Croatian companies

2019.

AG04 – Spring Boot Summer School (2 months)

- web application (Java Spring)
- hackaton with a group of 5 people

2018.

DataCrunch (1 week) – data science academy

- R, machine learning, finance

2017.

Tourism culture 2017 – „Moj Zagreb kak imam te rad“

- directing, recording and video editing
- collaboration with Tourist Board Zagreb

## Languages

English

fluent proficiency

German

elementary proficiency

## Hobbies

Cooking, body-weight exercising, running, reading, photography, learning Computer and Data Science