

# Bartosz Tyński

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## EXPERIENCE

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### Elettric 80

Cracow, PL

*C# Software Developer*

*July 2020 - Present*

- Development of automatic warehouse management system
- Configured Microsoft SQL Server database
- Debugged and fixed source code
- Expanded system functionality
- .NET Framework, C#, MVVM, Microsoft SQL Server, TSQL

### Elettric 80

Cracow, PL

*C# Full-Stack Software Developer*

*July 2019 - June 2020*

- Developed internal company software to speed up work routines
- Designed user interface (WPF, xaml)
- Programmed backend libraries and algorithms
- Assembled unit tests
- Maintained SOLID and OPP principles
- Solved issues and bugs by debugging
- Configured Microsoft SQL Server database
- .Net Framework, C#, Caliburn.Micro, MVVM, Microsoft SQL Server

## PROJECTS

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### Image Captioning - master thesis

*Jan - May, 2020*

- Implemented a system for generating a textual description of a given photo
- Engineered encoder-decoder architecture
- Utilized shell scripts to speed up workflow routines
- Python, Tensorflow, Natural Language Processing, Computer Vision, shell scripting

### Voice Pathology Detection - bachelor thesis

*Nov - August, 2019*

- Developed patient condition diagnostics system based on Machine Learning algorithms
- Designed and compared two approaches, classic machine learning and convolutional neural networks
- Built machine learning project pipeline: data analysis, features creation, model preparation, validation
- Python, Scikit-learn, Tensorflow, Numpy, Pandas, , shell scripting

## SKILLS

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|----------------------|--------------------|---------------------|
| ○ Python             | ○ Machine Learning | ○ RDBM (SQL, MSSQL) |
| ○ .NET Framework, C# | ○ Data Analysis    | ○ GNU / Linux       |

## EDUCATION

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### AGH UST

Cracow, PL

*MSc in Computer Science (data analysis specialization)*

*September 2020*

### AGH UST

Cracow, PL

*BSc in Electrical Engineering (signal processing specialization)*

*January 2019*