MARTIN KURIC

Cell Biologist | Data Scientist

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WHO AM I?

As a cancer cell biologist with a strong passion for data analysis and machine learning, I am seeking a position where I can utilize my creativity to automate tasks, solve complex problems or handle big data.

Skill		Skill	
Microscopy	100%	Python	100%
Cancer Biology	90%	Image Analysis	90%
Stem Cells	80%	Statistics	80%
RNA Biochemistry	75%	ML/AI	70%

SELECTED PROJECTS

2024 — **Python Software "ImageP"** — GitHub Repository 🔗
Accelerates batch processing of images of different sizes and types by >100%.
```
numpy  /  skimage  /  scipy
```

2020-2024 — **Python Software "plotastic"** — Journal of Open Source Software 🔗 | GitHub-Repository 🔗
Published a statistical library that self-configures based on intuitive plotting parameters.
```
pandas  /  matplotlib  /  pingouin  /  seaborn
```

2018-2024 — **Cancer Research Project** — Journal: Cancer Research Communications 🔗
Worked in a team with up to three technical assistants and published a list of genes with relevance for survival of myeloma patients.
```
Time-Lapse Microscopy  /  RNAseq  /  Analysis of Patient Survival
```

26.05.2022 — **Deep-Learning Assisted Image Cytometry** — Poster at "Achilles Conference"
Measurement of per-cell parameters from large automated microscopy scans.
```
Convolutional Neural Networks  /  Image Segmentation
```

EDUCATION

28.01.2019 – 2024 — **Dr. rer. nat. in Biomedicine** — Prof. Dr. Regina Ebert | University of Würzburg
Research focus: Dissemination of multiple myeloma & mesenchymal stromal cell interactions

01.04.17 – 26.05.24 (parallel to M.Sc. & PhD) — **Elite Biological Physics** — University of Bayreuth
Interdisciplinary & international study program for exceptional students of physics or biology.

01.10.15 – 15.08.18 — **M.Sc. in Biochemistry & Molecular Biology** — Prof. Dr. Claus-D. Kuhn | University of Bayreuth
Research focus: RNA biochemistry, small RNAseq, stem cells & piRNAs in *S. mediterranea*

01.10.12 – 14.12.15 — **B.Sc. in Biochemistry** — Prof. Dr. Benedikt Westermann | University of Bayreuth
Research focus: Cell biology, mitochondrial inheritance in *S. cerevisiae*

LANGUAGES

German, English - C2
Slovakian - passive
French, Spanish - A2

SOFT SKILLS

Quality Management
Project Management
Violent Free Communication

HOBBIES

Coding - Python
Music - Piano & Guitar
Gym - Lift. Grow. Repeat

Würzburg

08.07.2024

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Location   Date   Signature