# Fynn Withake

linkedin.com/in/fynnwithake

## Education

- **Biomedical Engineering and Medical Physics M.Sc.**
  *Technical University of Munich* — *Oct 2020 - Sep 2023*
- **Bioinformatics B.Sc.**
  *Ludwig Maximilian University of Munich* — *Oct 2019 – today*
- **Engineering Science B.Sc.**
  *Technical University of Munich* — *Oct 2016 - Mar 2021*

## Work Experience

- **Process Engineer**
  *micro resist technology GmbH* — *Aug 2024 – today*
- **Working Student: Wet Lab Microfluidics**
  *Technical University of Munich, Physics of Synthetic Biological Systems* — *Jun 2022 - Jan 2023*
- **Working Student: Bioinformatics Data Analysis**
  *University Hospital rechts der Isar, Department of Neuroradiology* — *Apr 2021 - Apr 2022*
- **Teaching Assistant for Engineering Informatics**
  *Technical University of Munich* — *Oct 2019 - Mar 2020 / Oct 2017 - Mar 2018*
- **Voluntary Service in Bucharest, Romania**
  *kulturweit, German Commission for UNESCO* — *Sep 2015 - Aug 2016*

## Skills

**Languages:** German, English, Portuguese, Spanish

**Programming languages:** R, Python, C, Java, LaTeX

**Software:** KLayout, Autodesk AutoCAD, Inventor & Fusion360, COMSOL Multiphysics, QGIS, MATLAB, Linux, Git, ImageJ, Vim

**Wet lab:** photolithography, soft lithography, clean room, spin coating, droplet microfluidics, fluorescence microscopy, scanning electron microscopy

## Publications

- J. Gempt, **F. Withake**, A.K. Aftahy, H.S. Meyer, M. Barz, C. Delbridge, F. Liesche-Starnecker, G. Prokop, N. Pfarr, J. Schlegel, B. Meyer, C. Zimmer, B.H. Menze, and B. Wiestler 2022. "Methylation subgroup and molecular heterogeneity is a hallmark of glioblastoma: implications for biopsy targeting, classification and therapy." *ESMO Open*.

- G. Prokop, B. Wiestler, D. Hieber, **F. Withake**, K. Mayer, J. Gempt, C. Delbridge et al. 2023. "Multiscale Quantification of Morphological Heterogeneity with Creation of a Predictor of Longer Survival in Glioblastoma." *International Journal of Cancer*.

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