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Tomas Fiers

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github | twitter

CURRENT POSITION

PhD student in computational neuroscience **Feb 2020 - Dec 2023 (expected)**
University of Nottingham *Nottingham, UK*

Topic: *Synapse-level network inference from voltage imaging signals*

Supervisors: [Mark Humphries](#) & Matias Ison (University of Nottingham)

{skills gained & exercised during PhD}

Outreach: “[Julia for Scientists](#)” presentation | {Cosyne22 and Comob}: Teaching Assistant
& technical infrastructure

WORK EXPERIENCE

Software Engineering Intern **Jul 2016 – Jan 2017**
DataCamp *Leuven, Belgium*

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Data Science Intern **Jul 2017 – Sep 2017**
Byteflies (medical wearables/IoT startup) *Antwerp, Belgium*

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Business development intern **Sep 2017 – Dec 2017**
Fluves *Ghent, Belgium*

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EDUCATION

Master of XX **Mon Year - Mon Year (expected)**
XX university

Main courses: Digital Signal Processing, Digital Image Analysis, Combinational Mathematics

Bachelor of XX **Mon Year - Mon Year**
XX university

Main courses: Signal and Systems, Analog and Digital Circuits, Data Structures, C Programming

PROJECT

Research on XX

Mon Year

Bachelor's Thesis

- Compared the reservoir computing grid model before and after the addition of positive and negative emotion regulation mechanisms by using Matlab programming.
- Improved the accuracy of the algorithm in predicting the spatial and temporal evolutionary features of the dynamical system by adjusting the activation function and specific parameters of the neural grid.

SKILLS

Programming	Python, Java, C, C++, Git, L ^A T _E X, Matlab, Markdown
Hardware Design	Verilog, Quartus2, ModelSim, AltiumDesigner
Communication	Chinese (native), English (business), Japanese (beginner)
Other	Github, Microsoft Office