

# Tor-Haakon Gjone

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## PERSONAL DETAILS

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Born: 16 June 1997    Nationality: Norwegian    Gender: Male

## EDUCATION

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### One year program in Science

2016-2017

*University of Oslo, Norway*

When I, in the end of high school, decided to study in the UK, was it already a little too late to apply. So I decided to study a year in Oslo, taking courses in Maths, Informatics and physics, for a total of credits corresponding to two years of studying full-time.

### Mathematics (Honours BS)

2017-2020

*University of Edinburgh, United Kingdom*

I choose to study at the University of Edinburgh partly due to the very international student environment at the Uni. I started together with students from the whole world and got good friends from, in particular, USA, Brazil and China. Academically I focused on the more theoretical areas of mathematics and especially differential geometry and analysis. Though I was not allowed to take additional courses here, I attended both lectures and workshops for a number of courses, mainly in theoretical physics. In particular, I attended lectures in Quantum Mechanics and "Lagrangian Mechanics", followed by "Quantum Field theory" and "Gauge theories in Particle Physics", as well as some numerical maths, "Numerical ODE's" and "Numerical PDE's".

Instead of focusing on getting the best grades, I focused on learning as much as possible (ie. taking extra courses). After all I was studying because I enjoyed it, not because I felt I had to. However, I did finish with an average of above 70% and thus qualifying for a first class.

## PAPERS

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### Bachelor Thesis

2019-2020

*Legendrian Knots*

[\[PDF\]](#) During my last year in Edinburgh I also wrote a bachelor's thesis about "Legendrian knots" and in particular an  $A_\infty$  construction of the 'Chekanov DGA-invariance'.

## WORK EXPERIENCE

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### Health care

2020

*Vidaråsen Landsby*

I have been working at 'Vidalåsen Camphill', a village where people with mental disabilities and staff live together. I did not live there, but I worked as a substitute a couple days a week, with one-to-one responsibility for a woman with some mental disabilities.

## Kindergarten

2020

*Kvelde Barnehage*

I have also worked some as a substitute in the local Kindergarten.

## Private teacher

2017

*AiMatte, Part-time*

While I was studying in Oslo, I was also working as a private teacher in mathematics and physics for students at high school.

## Construction worker

Summer 2016-now

*Byggmester Pål Gjone*

In the holidays I've been working as a carpenter/construction worker in my fathers firm, building houses.

## OTHER SKILLS

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*Language*      Norwegian (mother tong), English (fluent), German (basic)

*Programming*      When I started in high school I also started to learn some basic Java in my spare time (in fact I probably spent about the same amount of time coding as on school work). Since then I've spent a lot of spare time of coding and have therefore a relatively good general understating of programming.

During my year in Oslo, I had basic courses in (Python, Java, Scheme (lisp) and L<sup>A</sup>T<sub>E</sub>X), but most of my knowledge of these languages comes from using them for random programming and scripting I've been doing on my own. In this manner (ie. reading GitHub code, online tutorials and documentation), I have also some knowledge of Haskell, C/C++ and JS.

In the end of high school I also changed the operating system on my main computer to Linux (Ubuntu), which naturally has led me to do a lot of bash scripting. In particular, after starting to use i3 a year ago, I've spent countless hours configuring config-files, scripts and sometimes source code of i3 and other software.

## HOBBIES

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*Programming*      I mention in the 'Sikls seccion', programming has been a hobby of mine that I have spent a lot of time on the last 6-7 years. Here's a link to my [GitHub](#). Here you can find some my most interesting of the projects, including a facebook-message-bot that compiles latex code.

*Outdoor activities*      I also like to spend a lot of time with outdoor activities, like climbing, hiking, skiing (preferably cross-country) and lots of cycling.

*Wood working*      I also enjoy some wood working, in particular wood turning.