

## Eivind Fonn

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Forchstrasse 168, CH-8032 Zürich  
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**EDUCATION**      *Ph.D.*, numerical mathematics      2009-09 → present  
ETH Zürich, Zürich, Switzerland  
Solving high-dimensional kinetic transport equations, bridging the “curse of dimensionality”. Particular focus on Shearlet frames and the Boltzmann equation.

*Master of Technology*, industrial mathematics      2004-08 → 2009-06  
NTNU, Trondheim, Norway  
Specialisation in numerical analysis and differential geometry.

**SKILLS**      *Programming*: Matlab, Python, Java, C/C++, C#, PHP, JS, Pascal (Delphi), JSP  
*Databases*: MySQL  
*Assorted computer*:  $\text{\LaTeX}$ , (X)HTML, CSS, XML  
*Operating Systems*: Assorted Linux distributions, Windows  
*Languages*: Fluent Norwegian and English, decent German.

**EXPERIENCE**      *Ph.D. student*      2009-09 → present  
ETH Zürich, Zürich, Switzerland  
Solving high-dimensional kinetic transport equations, bridging the “curse of dimensionality”. Implementation in Matlab and Python. Includes a 40% teaching load.

*Software engineer*      Summer 2009  
Jeeves, Trondheim, Norway  
Implemented a translation tool built on Google Translate, which can read and write a number of different formats (such as Microsoft Word and database tables), with some facilities for correcting erroneous translations and learning.

*Software engineer*      Summer 2008  
Yahoo! Technologies, Trondheim, Norway  
Implemented an adapter between MySQL and Yahoo’s internal vertical search platform Vespa, together with several demo cases. Responsibilities included the entire process, from design to completion.

*Scientific assistant*      Summer 2007  
ETH Zürich, Zürich, Switzerland  
Implemented a finite volume method for solving the convection/diffusion/reaction equation in Matlab. Also did some post-processing of photonic crystal simulations. This was an IAESTE internship.

**AWARDS**

- Best student of technology in the 2009 graduating class at NTNU.
- The Norwegian Computing Centre’s award for best master thesis in mathematics or ICT at NTNU in 2008/09.
- The Stubban award for the most promising master candidate in mathematics at NTNU among the 2009 graduating class.

## ASSORTED

- Founder of the Aligulac project<sup>1</sup>, a rating system and historical database for professional Starcraft II.
- Part organiser of the inaugural edition of KoMiN—a now annual conference for mathematics students in Norway.
- Designed problems, graded answers and maintained the website for the Abel Competition, the Norwegian mathematical olympiad for high school students.
- Driving force and main organiser of the first two editions of the Norwegian Rubik's Cube Championship.
- Former national record holder in Rubik's Cube speedsolving and speedsolving while blindfolded (single and multiple).

## POSITIONS OF TRUST

- Webmaster<sup>2</sup> and board member for the IAESTE Local Committee Zürich for three years and running.
- Recognised by the World Cubing Association as a competition delegate.
- Webmaster and board member for the Student association Nabla at NTNU for three years.

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<sup>1</sup><http://aligulac.com/>

<sup>2</sup><http://iaeste.ch/>