

# CV

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## CONTACT INFORMATION

Address: Ullevålsveien 101, 0359 Oslo  
Mobile: +47 90 09 36 26  
Email: [johannes.ring@gmail.com](mailto:johannes.ring@gmail.com)  
Born: 9. January 1978



## TECHNOLOGY

Programming Languages	Python, Shell scripting, JavaScript, C++
Programming Tools	Emacs
Version Control	Git, Mercurial, Bazaar, Subversion
Operating Systems	Linux, macOS, Windows
DevOps	Docker, Buildbot, Bamboo, Pipelines, CircleCI, Travis, Vagrant, Debian, CentOS

## KEY EXPERTISE

- MSc in Scientific Computing
- Technical knowledge and practical experience with DevOps, automation, continuous integration and building software
- Years of experience in software packaging and distribution for various platforms like Debian/Ubuntu, macOS and Windows
- Years of experience with giving support for a diverse, interdisciplinary and international set of research scientist and PhD and MSc students
- 10+ years of experience in finding and fixing build and compilation problems
- Several years of experience with container technologies such as Docker
- Years of experience with different high performance computers

## WORK EXPERIENCE

**2007 – present**

### **Simula Research Laboratory AS**

#### **Scientific Programmer/Research Engineer**

*Research center conducting basic and long-term research in selected areas of software and communication technology.*

- Affiliated with the Center for Biomedical Computing (CBC) - a Norwegian Center of Excellence - from 2007 to 2017.
- Worked mainly on FEniCS - one of the leading open source mathematical software projects for modeling and simulation. My main tasks were packaging, testing, installation and user support.
- Designed, implemented and maintained various solutions for continuous integration (CI) for FEniCS and other CBC software.
- Installed and maintained a web server for FEniCS.
- Installed, maintained and moderated various mailing lists and a Q&A service for FEniCS.
- Installed and maintained FEniCS on a range of different computers and architectures, including several high performance computers (Scinet, Abel, Hexagon, Bigblue).
- Admin for an internal high performance computer (Bigblue) for a short period.

- Simplified the installation of VTKM ([vmtk.org](http://vmtk.org)) by making packages for Debian/Ubuntu, macOS and Windows at Kalkulo AS, a subsidiary of Simula.
- Worked on a web based visualization tool for large heterogenous datasets (CanPathPro).
- Worked on a web based simulation and visualization tool for oil well drilling at Kalkulo AS.

**2008 – 2019**

**University of Oslo**

**Examiner**

I have acted as an examiner for various courses at the Department of Informatics at several occasions. I have both corrected exam papers and been in various appeal committees as external examiner.

**2005 – 2007**

**University of Oslo**

**Programmer (part time)**

Completed the program Easyviz, an important part of my master thesis, for a new basic programming course at the Department of Informatics (INF1100).

## EDUCATION

**2005 – 2007**

**University of Oslo**

**MSc in Scientific Computing**

I completed a MSc at the Department of Informatics, University of Oslo, Norway. In my thesis I focused on how to make a uniform interface for some key components that are needed when solving partial differential equations: sparse matrices and visualization. I implemented a Matlab like interface for this in Python. Full title: "*A Python Library for Solving Partial Differential Equations*".

**2000 – 2005**

**University of Oslo**

**BSc in programming and mathematics**

I completed a BSc at the University of Oslo with courses in programming and mathematics.

## LANGUAGE

Norwegian native

English fluent (speaking, reading, writing)

## REFERENCES

Available on request.