Volker Hoffmann

Computational scientist looking for challenging problems outside academia. Skilled in conducting, integrating, analysing, visualising, and communicating original research. Strongly international outlook.

volker@cheleb.net
+41786092516
Oslo, Norway
github.com/vhffm

Education

09/2011 - 02/2016
PhD, Computational Science
University of Zurich

09/2009 - 06/2011
MSc, Engineering Physics
Chalmers University of Technology

09/2005 - 06/2008
BSc, Aerospace Engineering
Delft University of Technology

Work Experience

03/2016 - Present — Oslo, Norway
Guest Scientist
University of Oslo

10/2011 - Present — Zurich, Switzerland
Research Assistant
University of Zurich

Tasks
Computing driven research. // Exposed fundamental problems with the predictive power of simulations and explored consequences of overly simplistic modelling assumptions. Authored two papers and various presentations.

Contact: Ben Moore - ben.moore@uzh.ch

10/2011 - 06/2014 — Zurich, Switzerland
Teaching Assistant
University of Zurich

03/2007 - 05/2011 — Amsterdam, Netherlands
QA Assistant/Lead
Independent IP
Operates Fuga, a content delivery platform for the music industry.

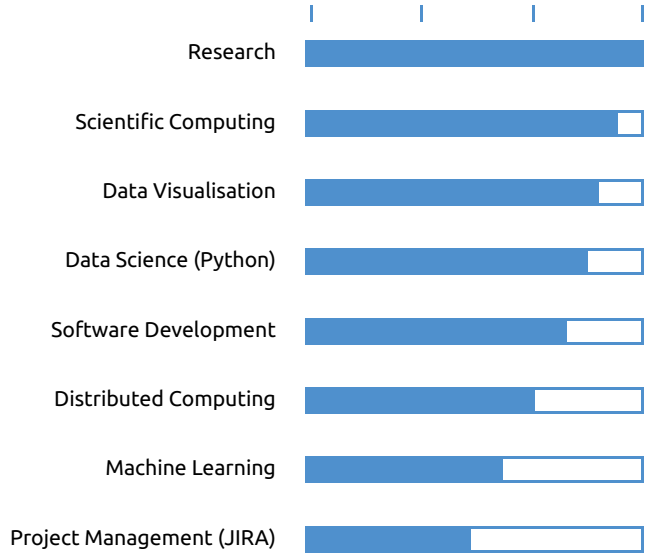
Tasks
Software quality assurance. // Improved quality of production releases by thorough testing for and triaging of bugs as well as suggesting fixes to interface inconsistencies.

Personal Projects

zBox4 Compute Cluster Dashboard
https://labs.cheleb.net/grafana/dashboard/db/zbox

Participation in NumerAI Tournament
Online competition for data-agnostic machine learning.

Skills & Competences



Achievements

Original Research in Astrophysics
1 Published, 1 in Review, 1 in Preparation.

Conference Attendance and Presentations
Attended >10 conferences, presented research in >10 talks and 2 posters.

Academia-Industry Modelling w/ ABB (2013)
One-dimensional hydrodynamics simulation for industrial application.

Best Bachelor Thesis (2008)
Faculty of Aerospace Engineering, Group Effort.

Languages

German (Native) | English (Fluent) | Dutch (Intermediate)
French (Basic) | Norwegian (Basic)

Interests

Typography | International Affairs | Board Games | Neuroscience