

Software Consultant
Munich, Germany

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GitHub: github.com/fhinkel

PROJECTS

PHP

Rules engine based on Rete Algorithm for Media and Telecommunication Service Provider, since 2013

Contributor of *Mockery*, PHP mock object framework, 2014

Node.js

Main contributor to open source project *Interactive Shell*. Web interface for a research tool for algebraic geometry, used in courses at Harvard, Cornell, and UC Berkeley, web.macaulay2.com, since 2011

Java

Product Information Service for Media and Telecommunication Service Provider, 2015

React

Main contributor to BlitzPay, a cryptocurrency based payment app. Winner at Burda Hackathon *Future of Finance* of the special prize for the highest economic impact by the Bavarian Ministry of Economic Affairs and Media, Energy and Technology, 2015

C++

Contributions to V8, 2015

TNG Technology Consulting GmbH, Unterföhring, Germany

Software Consultant, since September 2013

Mathematical Biosciences Institute, Ohio State University, OH

Postdoctoral Fellow, 2011-2013

Mentor: Michael Stillman, Cornell University

EDUCATION

Virginia Tech, Blacksburg, VA

Ph.D. Mathematics, August 2011

Reinhard Laubenbacher (Virginia Bioinformatics Institute), Advisor
Algebraic theory for discrete models in systems biology

M.S. Mathematics, May 2007

Universität Karlsruhe, Karlsruhe, Germany

Vordiplom Mathematik, minor **Computer Science**, May 2006

INVITED
TALKS

NodeConf Barcelona, *V8 under the Hood*, November 21, 2015, Barcelona, Spain

JSConf EU, *JavaScript engines*, September 25-27, 2015, Berlin, Germany

Nordic.js, *A Trip to the Zoo (JavaScript engines)*, September 10-11, 2015, Stockholm, Sweden

.concat(), **the web development conference in Austria**, *Mobile Web Apps with Native App Features*, March 7, 2015, Salzburg, Austria

PHPBenelux Conference, Workshop *From nightmare legacy code to a professional PHP application in 3 hours*, January 23, 2015, Antwerp, Belgium

PRESENTATIONS

TNG Winter Retreat Workshop *Stack machines with PHP*, March 13, 2015, Seefeld, Austria

TNG Techday Workshop *Spaß mit Node.js*, February 13, 2015, Unterföhring, Germany

ASSOCIATION
MEMBERSHIPS

Co-organizing PHP Usergroup Munich, since 2014

Doubled member count within 1 year

Grace Hopper Celebration of Women in Computing Conference (GHC)

Poster Committee member, 2015

TEACHING
EXPERIENCE

Universität Bremen, Bremen, Germany

Lecturer, August 2015
[Agile Software Development: A Node.js application in one week](#)
2 Credit Points (ECTS)

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[Agile Software Development: A Node.js application in one week](#)
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