

# Arne Maximilian KAUL

## PERSONAL DATA

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ADDRESS: Singener Straße 26c, 78256 Steißlingen, Germany  
EMAIL: maximilian@maximiliankaul.de  
PHONE: +49 160 95 28 12 82  
HOMEPAGE: <https://maximiliankaul.de>  
DATE AND PLACE OF BIRTH: 1989-12-25 in 40764 Langenfeld, Germany

## WORK EXPERIENCE

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2017 – | Web Application Security Penetration Tester at **mgm security partners GmbH** in Munich, Germany.

2016 – 2017 | Teaching assistant at **KTH Royal Institute of Technology** in Stockholm, Sweden (Computer Security course).

2012 – 2014 | Student assistant at the computing center, **University of Heidelberg**, Germany.  
I developed and maintained the university's web content management system and servers, including user support. The servers were RedHat Linux machines, and the web content management system was written in Perl.  
Team leader: Dr. Carina Ortseifen

## EDUCATION

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2015 – 2017 | Master of Science program in **COMPUTER SCIENCE** at the **KTH Royal Institute of Technology** in Stockholm, Sweden.  
Track: Computer Security. However, I took courses in a wide variety of areas.  
Thesis with the Swedish Institute of Computer Science on "Ransomware for the Internet of Things".

2009 – 2015 | Bachelor of Science program at the **University of Heidelberg**, Germany. Started with **MATHEMATICS** in 2009, changed to **APPLIED COMPUTER SCIENCE** in 2012. Graduated 2015 with overall grade 1.9 (German mark "gut").  
Thesis in Theoretical Computer Science. Topic: "Imperfect Computability Models: Generic and Coarse Computability". Adviser: Priv.-Doz. Dr. Wolfgang Merkle. Grade 1.0 (German mark "sehr gut").

2006 – 2009 | General qualification for university entrance, **Robert-Gerwig-Schule** in Singen, Germany.  
Economics track. Final grade 1.8 (German mark "gut").

## LANGUAGES

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GERMAN | Mothertongue

ENGLISH | Fluent: TOEFL 102/120 points, 5 month private stay in Canada in 2014 + 1 month private stay in the USA in 2013, 2 year English-taught Master program

SPANISH | Basic knowledge

FRENCH

## COMPUTER SKILLS

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THOROUGH KNOWLEDGE | Linux, C/C++, Git, Perl, Linux Server administration (including Nginx, Apache, Postfix, Dovecot, Cgit, Gitolite, Nextcloud)

WORKING KNOWLEDGE | CMake, GDB, Python, Pthreads, OpenMP, Open MPI, PostgreSQL, HTML/CSS, Windows, OS X, Verilog FPGA programming, Octave/Matlab, Django, LaTeX, Java, Office, Clojure

SOFTSKILLS | I quickly grasp abstract concepts, and can translate them into applications rapidly. This enables me to easily explain ideas, and makes me a creative, team-oriented and pragmatic problem-solver.

INTERESTS | My main interests are with Open Source Software and Security. I'm also interested in efficient algorithms and parallel computation.