

# Florian Gauger

Karlsruhe, Germany  
flo.gauger@gmail.com

## EDUCATION

Karlsruhe Institute of Technology  
12/2017 | Master of Science  
Computer Science

Karlsruhe Institute of Technology  
10/2014 | Bachelor of Science  
Computer Science

## LINKS

Github://devgg  
LinkedIn://floriangauger

## LANGUAGES

German - native  
English - full professional proficiency

## PROGRAMMING

### Proficient

Java, JavaScript, C++

### Advanced

SQL, OpenGL, OpenCL

### Familiar

Scala, Haskell, Matlab, R

## SOFTWARE

### Version Control

Git, SVN

### Build System

Gradle, Maven, CMake

### Web Technology

HTML, CSS, Node.js, jQuery

### IDE

IntelliJ IDEA, Visual Studio, XCode

## VOLUNTEERING

### Camphill School Aberdeen

08/2008 - 07/2009 | Aberdeen

Co-worker in shared living project for children with special needs.

### TV Malsch

07/2010 - now | Malsch

Web development and organization for local community sports club.

## EXPERIENCE

### LUMO GRAPHICS | FULL STACK DEVELOPER

12/2015 - now | Karlsruhe

- Design and development of a full stack application for MAN.
- Responsible for technical consulting and customer training.
- Implementation of a general framework for reusability of large parts of the software.

### SAP | JAVA DEVELOPER (WORKING STUDENT)

10/2014 - 12/2015 | Karlsruhe

- Independent development of the core functionality of a Java application which is part of SAP HANA.
- Implemented generation, compilation, loading and testing of JPA-annotated classes completely in-memory.
- Identified bottlenecks through profiling and optimized performance by a factor of 1000.

### SAP | JAVASCRIPT DEVELOPER (WORKING STUDENT)

06/2014 - 10/2014 | Karlsruhe

- Design and implementation of multiple functionalities of the object-relational mapping of the SAP HANA JavaScript library. Responsible for design of the testing framework for the whole project.
- All code added to production after extensive code review.

### SAP | THESIS STUDENT

01/2014 - 05/2014 | Karlsruhe

- Title: A self-aware System for Performance Isolation in SaaS-Applications.

### SAP | WEB APPLICATION DEVELOPER (WORKING STUDENT)

09/2012 - 01/2014 | Karlsruhe

- Independent design and development of a web application with front- and backend using SAPUI5 and the SAP HANA Cloud Platform.
- Setup of Tomcat server, database and multiple backend services.

### KARLSRUHE INSTITUTE OF TECHNOLOGY | STUDENT TUTOR

10/2011 - 03/2012 | Karlsruhe

- Conducted a weekly tutorial on the basic notions of computer science with a group of 25 students.

## PROJECTS

### ROBOZEN | GITHUB://ROBOZEN

API that provides a central interface to the Robocup Simulation League. Implemented in Java, building and dependency management with Gradle.

### PARTICLE SYSTEM | GITHUB://PARTICLE

Particle system with inter-particle collision. Visualized using the Forward+ rendering technique to account for large number of lights. OpenCL used for particle movement, GLFW for window creation and OpenGL for visualization.

### HERMES | GITHUB://HERMES

A YAML-based protocol definition language. Features a Scala library which handles protocol parsing and message processing.