Florian Gauger

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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 - fluent

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 sports club.

EXPERIENCE

LUMO GRAPHICS | FULL STACK DEVELOPER
12/2015 - now | Karlsruhe
- Design and develop full stack application for a German bus manufacturer. Migrate three features to main product.
- Suggest, initiate and execute company-wide switch from SVN to Git.
- Reduce setup time of similar projects by 75% through generic implementation.

SAP | JAVA DEVELOPER (WORKING STUDENT)
10/2014 - 12/2015 | Karlsruhe
- Independently developed 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
- Designed and implemented 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
- Designed and developed a web application with front and backend using SAPUI5 and the SAP HANA Cloud Platform.
- Set up 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.