
Personal Information

Name Georg Röhl
Birth Date April 2, 1994 in Cologne
Citizenship German
Adress Rochusstr. 31
52062 Aachen
Telephone +49 176 6306 7175
E-Mail georg.roehl@rwth-aachen.de

Work Experience

- 03/2019 – 06/2020 **Scientific Assistant with Bachelor Degree,**
Institute for Automotive Engineering, Research Field Vehicle Concepts & HMI, RWTH-Aachen University, Aachen.
User Interface Designer
- concept development and development of interactive prototypes for infotainment systems
 - implementation of a user-friendly CAN-bus data logger
 - implementation of concepts for the battery indicator in electric vehicles
- 10/2015 – 12/2018 **Student Assistant,**
Institute for Medical Sociology and Medical Psychology, Universitätsklinikum Aachen AöR, Aachen.
Level I and II Support and Software Developer
- programming of psychological reaction time experiments with Presentation by Neurobehavioral Systems
 - revision of a Matlab procedure for automated evaluation of peripheral physiological signals
- 02/2014 – 09/2015 **Software Developer,**
GRÜN Software Group, Software Services department for member, donation and seminar organisations, Aachen.
- design of mask views on MS-SQL and MySQL databases
 - set-up of the software product according to customer requirements
 - SQL query optimisation
 - creation of documentation and internal workflows

Education

- 10/2018 – 04/2021 **RWTH-Aachen University, Aachen,**
Master of Science Computer Science.
- main focus: Human-Computer Interaction
 - specialized subject: Medicine
 - final grade: 1,8

10/2012 – 09/2018 **RWTH-Aachen University, Aachen,**
Bachelor of Science Computer Science.
◦ specialized subject: Medicine
◦ final grade: 2,8

09/2004 – 06/2012 **Lessing-Gymnasium, Cologne,**
A-levels.
◦ advanced courses: mathematics, physics
◦ final grade: 2,1

Projects at RWTH

Master's Thesis Chair i10: Human-Computer Interaction
Tilt-Watch: Inclination-Based Smartwatch Input in Relation to the Forearm
Supervisor: Prof. Dr. Jan Borchers
Second Supervisor: Prof. Dr. Michael Rohs (Leibniz University Hannover)
Grade: 1.0

Bachelor's Thesis Chair i10: Human-Computer Interaction
Interactive Brooches: Physical Interfaces on Smart Textiles
Supervisor: Prof. Dr. Jan Borchers
Grade: 1.0

Practical training Accenture Campus Innovation Challenge 2018
We developed a business plan, prototype and marketing video for an augmented reality application for first responders.
Grade: 1.0

Designing Interactive Systems Designing Interactive Systems
Our Prototype *Automap* received the *Best Prototype* award in 2016.
Grade: 1.7

Lab: Multimodal Thinking Skins - Smart Facades for Smart Houses
Media Madness Our *Arduino* powered *Moss&Solar Facade* won the *Instructables Home Technology Contest* in 2014.
Grade: 1.7

Specialist Knowledge

Programming Languages Python, C, C++, SQL, Java

Backend Development Linux Shell, Docker, Venv

Professional Software Adobe Photoshop, Adobe After Effects, Adobe Premiere Pro, Adobe InDesign, Apple Final Cut Pro X, Autodesk Fusion 360, KiCad, Xcode

Prototyping Tools Adobe XD, Sketch, Principle,

Hardware Knowledge 3D printing, laser cutting, soldering, PCB production, wood working

Languages

German Mother tongue
English Fluent
French Satisfactory