Georg Röhl

📱 +49 176 6306 7175
✉ georg.roehl@rwth-aachen.de
🌐 georgroehl.de

Contents

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
Portfolio Website	georgroehl.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 We apllied iterative design, prototyping and evaluation methods to develop and showcase our meeting software *Automap*. Grade: 1.7
Lab: Multimodal Media Madness	Thinking Skins - Smart Facades for Smart Houses Our *Arduino powered Moss&Solar Facade* won the *Instructables Home Technology Contest* in 2014. Grade: 1.7

Specialist Knowledge

Programming Lang.	Python, C, C++, SQL, Java
Backend Development	Linux Shell, Docker, venv, git, PlatformIO
Professional Software	Adobe Creative Suite, Apple Final Cut Pro X, Autodesk Fusion 360, Onshape, KiCAD, Xcode
Prototyping Tools	Adobe XD, Sketch, Principle, Figma
Hardware Knowledge	3D printing, laser cutting, soldering, PCB production, wood working

Languages

German	Mother tongue
English	Fluent
French	Satisfactory