





# Curriculum Vitae

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**(German version on page 5)**

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# CURRICULUM VITAE

Date of Birth	09. 08. 1985
Place of Birth	Santa Monica, California
Nationality	USA/Deutsch
Familial Status	Single

## PROFESSIONAL EXPERIENCE

May 2018 - Present	<b>Mobile App developer</b> <b>Chat SDK (Berlin, Germany, Remote)</b> <ul style="list-style-type: none"><li>• <b>Major Responsibility:</b> Development, optimization and bug fixing of a real-time android chat application. <b>See Applications Worked On</b> section below</li><li>• Development of mobile cross platform smartphone apps in android</li><li>• Unit testing of a real-time android chat app</li><li>• Android SDK usage</li><li>• Re-skinning and adapting it for clients, and integrating it as a feature into other apps</li><li>• Software module integration between various android projects</li><li>• Access and utilization of FireBase for data storage and retrieval</li><li>• Coordination with iOS developers for cross platform compatibility of apps</li><li>• Use of GitHub for multi branch development</li><li>• Project planning and cooperation with clients with a non-IT background</li><li>• Extensive use of XML</li><li>• Material design usage</li><li>• Company advertising</li></ul>
Jan 2015 - May 2018	<b>Developmental Engineer</b> <b>MRI.TOOLS GmbH (Berlin-Buch, Germany)</b> <ul style="list-style-type: none"><li>• Design, development and construction of MRI coils and MRI accessories</li><li>• Project documentation, technical documentation, and risk analysis</li><li>• 3D construction and technical drawings</li><li>• Safety manager</li><li>• Electro technical safety certification for research purposes</li><li>• Company advertising and marketing</li><li>• Organizing the company exhibition at an international trade show and research summit</li></ul>
Mar 2010 - Mar 2012	<b>Research Assistant</b> <b>Max Delbrück Center for Molecular Medicine (Berlin-Buch, Germany)</b> <b>Research Group Niendorf (Experimental High Field-MR)</b> <ul style="list-style-type: none"><li>• Operation, use, and maintenance of a high end 3D printer</li><li>• Design and development and rapid prototyping of research equipment, primarily for use in Experimental high-field MRI for humans and animals</li><li>• English language editing of research papers and related documents of German masters and PhD students</li><li>• Research project in regards to MR safety at high field scanner sites</li></ul>
May 2006 - Aug 2009	<b>Laboratory Assistant</b> <b>University of Colorado at Boulder, Psychology Faculty (Colorado, USA)</b> <p>Project: Neural mechanisms of stress response in rats</p> <ul style="list-style-type: none"><li>• Programming of computer controlled experiments</li><li>• Maintenance of laboratories</li><li>• Caring for laboratory animals</li></ul> <p>Work: Providing and recycling food and laboratory containment vessels for fruit fly experiments</p> <ul style="list-style-type: none"><li>• Large scale food production and distribution for fruit flies (<i>Drosophila Melanogaster</i>)</li><li>• Maintenance of laboratory space</li><li>• Caring for laboratory insects</li></ul>
May 2005 - Aug 2005	<b>Driver</b> <b>Medical Transport Service, German Red Cross (Bavaria, Germany)</b>

- Transport of Patients
- Internal maintenance of medical transport vehicles

## **ACADEMIC TRAINING**

2012 - 2014	<b>Beuth University of Technology Berlin (Berlin, Germany)</b> <ul style="list-style-type: none"> <li>• Master program Biotechnology</li> <li>• Title of Master Project: "Quantified Near Real Time Tracking of Dendritic Cell Migration Using Fluorine-19 Labeling With MRI in Mice"</li> </ul>
2004 - 2009	<b>University of Colorado at Boulder (Colorado, USA)</b> <ul style="list-style-type: none"> <li>• Major in Biochemistry</li> <li>• Major in Molecular, Cellular, and Developmental Biology</li> <li>• Minor in Chemistry</li> <li>• Large amount of engineering and physics knowledge</li> </ul>
2000 - 2004	<b>Cairo American College (American High School) (Cairo, Egypt)</b> <ul style="list-style-type: none"> <li>• American High School Diploma</li> <li>• International Baccalaureate (HL-Chemistry, Biology, English)(SL-History, French, Physics, Math)</li> </ul>
1999 - 2000	<b>Bavarian International School (Bavaria, Germany)</b>
1998 - 1999	<b>Joaquin Moraga Intermediate School (California, USA)</b>
1991 - 1998	<b>Bavarian International School (Bavaria, Germany)</b>

## **APPLICATIONS WORKED ON**

- Chat SDK: <https://play.google.com/store/apps/details?id=sdh.chat.live&hl=en>
- Plate Drop: <https://play.google.com/store/apps/details?id=com.raymond.gossipgirl&hl=en>
- C@R App: <https://play.google.com/store/apps/details?id=com.braunster.androidchatsdk.catrapp>
- C@R App Homepage: <https://car-mobile.com/>

## **PUBLICATIONS**

- Martin, Conrad, et al. "Development and evaluation of a small and mobile Magneto Alert Sensor (MALSE) to support safety requirements for magnetic resonance imaging." European radiology 21.10 (2011): 2187-2192. DOI 10.1007/s00330-011-2153-z

## **PERSONAL SKILLS AND ABILITIES**

Mother Languages

**German, English**

Other Languages  
Self Judgement  
European competence  
scale (\*)

**French**

French

Understanding				Speech				Writing	
Hearing		Reading		Taking part in conversations		Consistent speaking			
A2	Independent use of language	A2	Competent language usage	A2	Independent use of language	A2	Independent use of language	A2	Independent use of language

(\*) Reference level of the common European reference framework for languages

## Social Skills and Experience

- Team spirit
- Enjoy working with everyone
- Openness and good communication skills
- Quick grasp of complex concepts
- Intuition
- Solution-oriented thinking
- Technical comprehension

## Organizational Skills

- Strong organizational talent
- Version management and project documentation

## I.T. Skills

- Java, JavaFX, Android, Android Studio
- Frontend Development
- Mobile Cross-Platform Applications with real time chat function
- Firebase Integration
- Experience with GitHub and module integration
- Many years of experience with engineering software such as Autodesk.

## Physical Craftsmanship Abilities

- 2D CNC cutting and machining
- 3D Printing from 3D CAD Projects with subsequent post processing
- Hand soldering of MR compatible PCBs
- Wood based construction work

## Other Abilities

- German and English mother tongues – Translation abilities for highly technical and complex language into the other language
- Experience in complex interaction with other cultures
- Project management
- Research Management

## ADDITIONAL INFORMATION

### Hobbies

- **Rural Land Management:**  
Restoration of a historical agricultural building. This included the laying of concrete foundations, replacement of building superstructure, the installation of stud walls and crossbeams, the construction of new floors and installation of load bearing columns. In addition, I regularly conduct forestry management of a 20 acre site and the produce cut wood for carbon neutral home heating.
- **Rock Climbing:**  
Running a meetup.com group for weekly bouldering and climbing. I organize and run the largest rock climbing group in Berlin via Meetup.com. It consists of 300 members. See <https://www.meetup.com/Berlin-Rock-Climbing-and-Bouldering-Meetup>. Rock climbing is an extreme sport which requires technical knowledge, risk management, and the ability to make decisions effectively under pressure. Even as an introvert I get great satisfaction out of the people management aspect of this group. I run the induction and integration of new members who have yet to learn the securing techniques for rope climbing into the group. The challenge of regularly organizing post-climbing dinners for 20+ people is rewarded by the fact that I can see many social relationships between the new and old members develop.
- **SCUBA open water diving:**  
I have been SCUBA diving in the red sea, the Great Barrier Reef, Bali, and Hawaii.
- **Skiing:**  
The thrill and the risk of skiing at high speed down difficult slopes is something I enjoy. Being with in good company on these trips is something I get a kick out of so much so that I organize trips with friends and family regularly.
- **Music:**  
Electronic modification of techno music for personal use.