

# Christian Poetter | Software Engineer

Website: christian-poetter.com

## EDUCATION

- Stanford University, CA, USA
  - Ph.D Cooperation between RWTH Aachen University & Stanford University Spring 2015 - Fall 2016
- RWTH Aachen University, Germany
  - Master of Science in Electrical, Communications & Computer Engineering Spring 2013 - Spring 2015
  - Bachelor of Science in Electrical, Communications & Computer Engineering Fall 2010 - Fall 2012

## WORK EXPERIENCE

- **Software Engineer, Elgato Systems, Munich, Germany** **December 2016 - Present**
  - AWS cloud server API setup with Ubuntu Docker
  - Full-Stack web development in HTML, CSS, JavaScript, jQuery, Ajax, PHP, Python and Django
  - Responsive web development with Drupal
  - iOS cloud client development in Swift (Homekit)
  - Machine learning for image recognition
- **Research Scientist, Stanford University, Stanford, CA, USA** **September 2015 - September 2016**
  - Developing new and improvement of existing MRI Diffusion models
  - Automating MRI post processing, including brain fiber tracking
  - Thermal noise and physiological noise estimation and reduction
  - Real-Time Multislice Diffusion reconstruction
  - Assembling of CPU & GPU calculation cluster
  - Server network organization and web app development for server load balancing
- **Visiting Student Researcher, Stanford University, Stanford, CA, USA** **October 2014 - April 2015**
  - Comparison of CAIPI and MICA multislice scans
  - Development of outlier rejection algorithms for diffusion data based on SNR weighting
  - Development of general parallelization class for dipy fitting models
- **iOS Development** **2016 - Present**
  - Photo Tourist Remover in the Apple App Store
  - Cloud Location Tracker for Developer in App Store
  - Swift, Objective C and C++

## COMPUTER SKILLS

- Programs: Matlab, Xcode, LabView, Eagle, OpenSCAD, Photoshop, iWork, Inkscape, Final Cut Pro, Git and MS Office
- Languages: Swift, Python, C, C++, Objective C, OpenCV, LaTeX, HTML, PHP, CSS, JavaScript, Ajax, jQuery, XML, MySQL and Bash
- Operating Systems: OS X, iOS, Ubuntu and Windows

## LANGUAGES

- German: Native Language
- English: Like Native Language
- Latin: Very Good in Reading & Writing
- French: Beginner

## LEADERSHIP EXPERIENCE

- Flood Water Emergency Management with the German Life Saving Association
- Emergency Medical Technician and Lifeguard with the German Life Saving Association
- Teaching Assistant in Fundamentals of Computer Science I at the RWTH Aachen University
- Teaching Assistant in Computer Science Laboratory at the RWTH Aachen University

## AWARDS

- Member of the RWTH Aachen Dean's List
- Award for Special Credits in Rescue Service
- German National Scholarship Awardee
- German Physical Society Honorary Member

References and portfolio are available upon request, more information on <https://www.linkedin.com/in/cpoetter>