

STEPHAN RABANSER

☎ +49 (0)157 31765174 — ✉ steve@steverab.com — 🌐 steverab.com, home.cs.tum.edu/~rabanser
Einsteinstraße 3 — Garching bei München, Bavaria 85748 — Germany

EDUCATION

M.Sc. in Computer Science <i>Technische Universität München (TUM)</i>	October 2015 – September 2018 (exp.) <i>Munich, Germany</i>
Honours Degree in Technology Management <i>Center for Digital Technology and Management (CDTM)</i> <i>Technische Universität München (TUM)</i> <i>Ludwig-Maximilians-Universität (LMU)</i>	August 2015 – September 2018 (exp.) <i>Munich, Germany</i>
Visiting Research Student <i>Massachusetts Institute of Technology (MIT)</i>	February 2016 – June 2016 <i>Cambridge, MA, USA</i>
B.Sc. in Computer Science, Minor in Economic Sciences <i>Technische Universität München (TUM)</i>	October 2012 – October 2015 <i>Munich, Germany</i>
Higher Education Entrance Qualification (A-levels) <i>Technologische Fachoberschule “Max Valier”</i>	September 2007 – July 2012 <i>Bolzano, Italy</i>

INTERNSHIPS

Intern Software Development Engineer <i>Amazon Web Services (AWS)</i>	July 2016 – October 2016 <i>Berlin, Germany</i>
<ul style="list-style-type: none">Developed internal business intelligence tool (business metrics reporting and automated dashboard generation) for new OpsWorks service offering (OpsWorks for Chef Automate).Gained deep insights into a broad range of AWS products and large-scale software development at Amazon.	
iOS & API Developer <i>Südtiroler Informatik AG (SIAG)</i>	March 2013 and May 2011 <i>Bolzano, Italy</i>
<ul style="list-style-type: none">Responsible for developing two in-house iOS applications:<ul style="list-style-type: none">Province-bounded weather app for iPhoneProvince-bounded election results app for iPhone and iPadSupported and implemented parts of the corresponding APIs by using PHP.Held a 3h talk and tutorial session about iOS development to teach some of the company's employees the basics of Obj-C.	

AWARDS & HONORS

Elite Network of Bavaria <i>Member</i>	April 2016 <i>Munich, Germany</i>
Apple Worldwide Developers Conference (WWDC) <i>Student Scholarship Recipient</i>	June 2013 <i>San Francisco, CA, USA</i>
<ul style="list-style-type: none">Developed résumé iOS app to highlight academic and professional experience as well as hobbies.Got awarded a free WWDC ticket.	
Stripe Capture the Flag <i>Hacking Contest Participant</i>	February 2012 <i>World Wide Web</i>
<ul style="list-style-type: none">One out of 250 people, who successfully hacked themselves through Stripe's “Capture the Flag” contest.	

TECHNICAL STRENGTHS

Programming Languages	Swift, Obj-C, Java, Ruby, Python, C, Haskell, HTML5/CSS3/JS
Databases	MySQL, PostgreSQL, MongoDB
Tools	Git, Xcode, Sketch, Eclipse, IntelliJ, Framer Studio, AWS

LANGUAGES

German	Native
English	Fluent, TOEFL iBT 104 (October 2014)
Italian	Fluent

Tranzport

macOS Application & API

May 2015

Munich, Germany

- Developed JSON API to interact with Munich's public transportation system by using Ruby Sinatra.
- Developed corresponding macOS status bar application to display departures for any station in Munich.

Multiply & Hours

Startup & iOS Application

January 2014 – September 2014

Munich, Germany & Berlin, Germany

- Essential member in the establishment of a startup named Multiply at a very early stage.
- Mainly responsible for calendaring and time-management app Hours for iOS.
- Left Multiply in order not to lose focus on my academic career.

Apfeltech

German Tech Blog

September 2010 – May 2014

World Wide Web

- Headed daily business as Editor-in-Chief from 2011 to 2012.
- Helped coding key parts of the website.

RELEVANT COURSEWORK

Data Science in Astrophysics and Industry

Max Planck Institute for Astrophysics

March 2017 (exp.) – August 2017 (exp.)

Garching, Germany

My tasks in this project include (but are not limited to):

- Transform an existing Gaussian Mixture Model into Google Tensorflow.
- Optimize the algorithmic implementation of the model (e.g. number of mixture components, hyper-parameters).
- Find a good approximation of the used density matrix using sparse matrices.
- Explore different training methods (stochastic vs. deterministic and EM vs. gradient descent vs. Newton).
- Determine parallelizable operations and to which extend sync points are needed.

Stylight Now, Tech Lead

Managing Product Development – CDTM

October 2015 – January 2016

Munich, Germany

- Developed a simple and easy direct checkout solution for the fashion aggregator Stylight to raise the conversion rate throughout their platform, but especially in their apps.
- Created iOS app (UI/UX + code) which will be further refined by Stylight and eventually incorporated into their live platform.
- Got hands on experience with business development strategies, user and market research, project management, and collaboration in a diverse team.

Practical Course Coach (iPraktikum – Bosch Dots)

Advanced Project Management – Chair for Applied Software Engineering

October 2015 – January 2016

Munich, Germany

- Team coach for the Robert Bosch GmbH team as part of the iOS Praktikum WS 15/16.
- Developed a system that helps Bosch with matching active but also potential new suppliers to current Bosch projects in a smart and easy way.
- Cross-team modeling, architecture, and documentation instructor.

Spot.io, Bird Classifier

Deep Learning Elective – CDTM

October 2015 – December 2015

Munich, Germany

- Gained insights into the basics of applied machine learning and deep learning algorithms, frameworks, and techniques.
- Trained multiple convolutional neural network by using Nvidia Digits and Caffe for different kinds of birds.
- Developed a classification pipeline for handing over images from a broadly trained network for general bird clusters to more granular networks for specific bird species.

Teaching Assistant

Swift Introduction Course – Chair for Applied Software Engineering

August 2014 – November 2014

Munich, Germany

- Held a 2h talk and prepared the corresponding tutorial about RESTful interaction with web services within iOS and OS X apps.
- Developed a course-matching sample API by using Java technologies (Maven, Glassfish, Jersey, JPA).
- Supported course administration by writing and reviewing course assignments.
- Highlighted by Apple as one of the first Swift courses at major universities.