

## Education and Qualifications

### 2014 – 2015 The University of Sheffield, United Kingdom

Received Postgraduate Scholarship for **MSc Advanced Computer Science, 1<sup>st</sup> Class Honours**

**MSc Dissertation:** Cracking CAPTCHAs – Developing and Pre-training a Convolutional Neural Network to pass image-based CAPTCHA challenges automatically.

**Modules:** Object Oriented Programming in Java, Machine Learning & Adaptive Intelligence, iOS Development, Theory of Distributed Systems, Network Performance Analysis, Computer Security, Speech Processing

### 2011 – 2014 The University of Sheffield, United Kingdom

**BSc Information Management and Technology, 1<sup>st</sup> Class Honours**

**BSc Dissertation:** Translating C++ into Natural Language for Non-Developers – Conduct research on whether translating C++ into plain English may help novice programmers to understand a piece of code.

**Modules:** Information Retrieval and Modelling, Web Development, Database Design, CMS Design

### 2013 Ecole de Management, Bordeaux/France

ERASMUS Programme

### 2005 – 2010 Vienna Business School Hamerlingplatz, Vienna/Austria

A-Levels: Accounting & Business(1), English(1), German(3), Spanish(1), Marketing(1), Civil Education(1)

## Employment & Placements

### 2015-2016 Solo-Backpacking through Southeast Asia and Volunteering in South America

### 2015-2016 Google Summer of Code Mentor for Anita Borg Institute (Systers), Remote

I have been mentoring two projects as a part of 'Systers'. My task was to guide the students through the coding process, review code and merge code on Github and help students when they get stuck. One of the projects was implementing a web application for Peace Corps Volunteers in Guyana. The second project I have been mentoring, is an educational iOS game aimed at empowering pre-adolescents. I frequently contribute to Open Source projects.

### 2014 Google Summer of Code Student for Anita Borg Institute (Systers), Remote

During GSOC 2014, I was working on an online crowdmap called "[Ushahidi](#)" and customized it for Peace Corps Volunteers (PCVs) in Azerbaijan, to help them share resources online and improve coordination. Independently, I managed to teach myself a new programming language – PHP – as well as working with a web application and the submitted my code every week.

### 2013 Software Engineering & Testing Intern – Raiffeisen International Bank, Vienna/Austria

One of the many tasks during my Placement was to develop testing scripts in Python and Bash to verify ETL processes were carried out correctly. I was able to familiarize myself working in an UNIX environment and quickly learnt how to programme in a Linux Shell. I further helped developing a new printing API using Java, as well as fixed bugs on the go. Finally, I developed a new way to create the monthly bank reports using Penthao BI products.

## Additional Work Experience

### **2008 – Present: Assistant at Academy4socialskills ., Vienna/ Austria**

At the Consulting Company I was able to take up tasks such as managing the companies' Accounting every quarter, maintain the website and assist at seminars.

### **2013 – Present: Managing Director at Prospect GmbH**

Since my dad retired in 2013, I have been running the small business situated outside Vienna. Being responsible for such a business, I learnt vital managing and leadership skills.

### **2011 Project Leader for Event Paradise at Production Media Network S.L., Barcelona/ Spain**

Starting off as a research assistant, I was promoted to be Project Leader responsible for authoring web content, liaising with clients and finally, launching the new online event directory, Event Paradise.

## Technical Skills

- Programming: Java, Python, PHP, Matlab, Objective-C/Swift
- Web skills: Django, (X)HTML, CSS, Javascript
- Database skills: MySQL, PostgreSQL, Oracle
- Operating Systems: Unix, Linux, Windows, MAC OS

## Language Skills

- Fluent in: German, English, Spanish, French
- Intermediate: Russian

## Volunteering

- 2016: Teaching surfing to underprivileged children in Peru
- 2012: Social Worker at Asylum Shelter Frau Ute Bock
- 2011: SIFE Green Team, Promote the reduction of carbon emissions in local businesses

## Additional Achievements

- Sheffield Graduate Award
- Snowboard Teaching License
- Faculty Representative and Course Representative for Home Department
- Development Officer & Social Secretary for Ultimate Frisbee Club
- 5 years class representative in School

## References

- On demand