Josef Ziegler

Software Engineer at Google

Summary

Strong background in Data Structures, Algorithms and Theoretical Computer Science. Led programming teams at international competitions and published peer-reviewed papers at highly reputable conferences. My area of specialization is Information Theory, Machine Learning and Wireless Communication. Working on technical infrastructure at Google.

Experience

Software Engineer at Google

October 2015 - Present

Joined Google's infrastructure team.

Project Worker at Disney Research

February 2015 - August 2015 (7 months)

Built a localization platform for tracking wireless devices that achieves a median localization accuracy of one meter in indoor environments. This formed my Master's thesis on "Large Scale Radio-based Mobile Localization for Entertainment Parks".

Software Engineer Intern at Google

September 2014 - February 2015 (6 months)

Built test coverage related Google infrastructure tools in the Ads and Commerce Engineering productivity team. My project involved a large number of generic Google technologies and specialized bits of the build infrastructure that required collaboration with Google's release engineers.

Vice President and Coach at Swiss Olympiad in Informatics

September 2010 - August 2014 (4 years)

Created problem sets, organized workshops, camps and contests, coached high school students for the National and International Olympiad in Informatics. Since Nov. 2012 Vice President of the Swiss Olympiad in Informatics.

Google Student Ambassador at Google

August 2013 - July 2014 (1 year)

Acted as a liaison between Google and ETH Zurich, promoted the Google brand across campus and built relationships with students and the faculty. The Google Student Ambassador program is by nomination only. The European summit was held at Google's Dublin office.

Thesis Worker at Disney Research

September 2013 - February 2014 (6 months)

   Worked with the Wireless Research team on an LED lightbulb network based on Visible Light
   Communication with LED-to-LED Networking that formed my semester thesis on "Design, Construction
   and Evaluation of Smart LED Lightbulbs".

Software Engineer Intern at Google

April 2013 - August 2013 (5 months)

   Worked as part of the Ad Effectiveness Research team with Google Maps and Google Offers in both London
   and Mountain View. Specifics are confidential.

Thesis Worker at Gecko-Simulations AG

February 2013 - April 2013 (3 months)

   Built an internationalization tool for GeckoCIRCUITS, an ETH startup that specializes in power electronics
   circuit simulators. This formed my Bachelor's thesis on "Crowdsourced Internationalization of Java Applets".

Teaching Assistant in Discrete Mathematics at ETH Zurich

September 2012 - December 2012 (4 months)

   Graded homework, held exercise and discussion classes.
   Rated as best teaching assistant by the student body.

Teaching Assistant in Informatics II at ETH Zurich

February 2012 - May 2012 (4 months)

   Graded homework, held exercise and discussion classes.
   The programming language used was Java.

Education

Eidgenössische Technische Hochschule Zürich
MSc, Information Technology and Electrical Engineering, 2013 - 2015
Eidgenössische Technische Hochschule Zürich
BSc, Information Technology and Electrical Engineering, 2010 - 2013

Honors and Awards

Sphere Online Judge, ASPIRE Forum, Swiss Olympiad in Informatics, Helvetic Coding Contest, International
 Olympiad in Informatics, Google Conference and Travel Grant, Helvetic Coding Contest, International
 Olympiad in Informatics, Helvetic Coding Contest, ACM International Collegiate Programming Contest,
 Helvetic Coding Contest, ACM International Collegiate Programming Contest, International Olympiad
 in Informatics, Central European Olympiad in Informatics, Matura paper award, Middle European Maths
 Olympiad

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