Hang Yuan
Curriculum Vitæ

Research Experience

Campus Ring 1, Bremen, Germany, 28759
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http://angerhang.github.io

Current, from Dec 2014

Research Assistant at KWARC Research Group for Semantic Tex
Supervisor: Michael Kohlhase

- Primally contributed to the TeX to OMdoc conversion using LaTeXML and regular maintenance.

- sTeX is a collections of TeX macro packages that allow TeX documents to have semantic markups without leaving the document format. sTeX turns TeX documents into a document format for mathematical knowledge management.

Current, from Sep 2015

Research Assistant For Distributed Computing Framework Evaluations
Supervisor: Adalbert F. X. Wilhelm

- Documented the detailed steps of Rhadoop and SparkR installations.

- Comparatively studied different performance of Hadoop and Spark in different situations and gave suggestions on the most efficient computation approach.

Regular Activities
Active in on campus logic, machine learning and decision making seminar groups, where students and professors meet and discuss the current state of art research.

Project Experience

Sep 2015 - Dec 2015

Data Analyst for Secondary Data Analysis Project at Jacobs University

Conducted secondary data analysis using random forest, miss forest techniques, on dataset "How Couples Meet and Stay Together" (HCMST), to find out the deciding factors that influence relationship stability. The findings are summarized in this animation.

Sep 2015 - Dec 2015

Student Research Paper on Big Data at Jacobs University

This paper was presented at the student research symposium. The paper deals with the evolution of web search engines and it also takes a look at the social and governmental implications on the society.

See the pdf at: Evolution of Web Search Engines: Past, Present and Future

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Sep 2012 - May 2014

Web Development and Build Team Lead at FRC Robotics Team 4415

- Led a team of 10 students to develop a team website from scratch.

- Participated in using Solidworks for preliminary robots design and rapid prototypes.

- Helped to use Google Analytics to enhance marketing strategies to reach approximately 3000 page views.

Education

2014 − 2017 expected	**Bachelor of Sciences** Computer Science *Jacobs University, Bremen, Germany*
2012 − 2014	**High School** *Valley Christian High School, CA, USA*

Skills

Elementary knowledge	C, Perl, SML, Emacs, Linux
Intermediate Knowledge	R, Perl, C++, Matlab, Java
Languages	Chinese and English (fluent), German (elementary)

Awards

2015	**Global Startup Competition Finalist (top 10 / 130+ 8%)** Used My Now as the product for Jacobs Startup Competition, which attracts university teams from 30+ countries. My Now is a time management and social network app that allows users to track their time and interact with their friends. It is live in Apple's Apps Store.
2014	**STEM Scholarship Recipient (two students per year)** *FRC Robotics Team 4415, California, USA*
2014	**Jacobs University Merit-based Scholarship** *Awarded for students who have excellent academic performance for three years, 15,000 euros in total.*